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Brigham Young University
QUARTERLY

*ANNUAL
CATALOGUE*

For the Thirty-seventh Academic Year
MAY 1, 1912

*Published by
The Brigham Young University
Provo, Utah*

UNIVERSITY CALENDAR.

1912.

October 7, (Monday) Entrance examinations and registration.

October 8, (Tuesday) Instruction begins.

October 16, (Wednesday) Founder's Day.

November 28 and 29, Thanksgiving recess.

December 7 and 14, school will be held on Saturdays.

December 20, (Friday evening) Christmas vacation begins.

1913.

January 2, (Thursday) Instruction resumed.

January 4, 11, 18, 25, school will be held on Saturdays.

February 1, (Saturday) First Semester ends.

February 3, (Monday) Second Semester begins.

February 12, Lincoln's Birthday (special program).

February 22, Washington's Birthday (special program).

February 1, 8, 15, 22, school will be held on Saturdays.

April 4 to 14, Spring vacation.

April — Arbor Day.

May 25, (Sunday evening) Baccalaureate sermon.

May 26, 27, Final examinations.

May 28, Exhibition day.

May 29, (Thursday) Thirty-seventh Commencement.

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Physiography.
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JOHN G. GUBLER,
Sub-High School.
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FANNIE McLEAN, B. Pd., Critic and Grade Teacher.
PEARL SNOW, Critic and Grade Teacher.
OLIVE Y. GILCHRIST, Critic and Grade Teacher.
HERMESE PETERSON, Critic and Grade Teacher.
LIZZIE LINDSAY, Critic and Grade Teacher.
BENT F. LARSEN, Art and Manual Training.
CHARLES R. JOHNSON, Vocal Music.

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Brigham Young University.

HISTORY.

The institution, which, for the first twenty-eight years of its existence, was known as the Brigham Young Academy, was founded by a deed of trust executed by President Brigham Young, October 16, 1875. A preliminary session was held soon after its establishment, with Hon. W. N. Dusenberry as Principal, succeeded by Dr. Karl G. Maeser, who had been called by President Young to take charge of the school. The Academy was formally opened August 21, 1876, the dedicatory prayer being offered by Daniel H. Wells. Dr. Maeser continued as Principal for fifteen years, when he was promoted to the general superintendency of the Church schools; and Dr. Benjamin Cluff, Jr., was chosen to take his place. In 1894, when regular heads or principals of departments were appointed, the title was changed to that of President.

The first Board of Trustees consisted of seven members, viz., Abraham O. Smoot, William Bringham, Myron Tanner, Harvey H. Cluff, Wilson H. Dusenberry, Martha J. Coray, and Leonard E. Harrington. A reorganization took place in 1890, when the Trustees, together with the executors and heirs of Brigham Young, conveyed to a new Board all the real estate held by the Academy, an act which greatly improved the material interests of the institution.

In the death of President Abraham O. Smoot, which occurred March 6, 1895, the Academy lost one of its oldest friends and staunchest supporters. To fill the vacancy thus made, Brigham Young, the eldest son of the founder, was elected President of the Board of Trustees, and Geo. Q. Cannon and Reed Smoot were elected to fill other vacancies.

On July 18, 1896, the institution was formally incorporated under the laws of the State. Following are the names of the incorporators who were also the Trustees of the institution: Brigham Young, Geo. Q. Cannon, Myron Tanner, Harvey H. Cluff, Wilson H. Dusenberry, Karl G. Maeser, David John, Susa Young Gates, Reed Smoot, Thomas R. Cutler, Geo. D. Snell, and Joseph Don Carlos Young.

Provision is made in the articles of incorporation that the institution shall be under the management of a board of twelve Trustees to be elected every three years by the Latter-day Saints assembled in Annual Conference. The first election took place April 6, 1897. At a meeting of the Board held August 2, 1897, Geo. Q. Cannon of the First Presidency of the Church was elected President of the Board, which position he held to the time of his death, April 12, 1901.

The Lewis Hall, situated at the corner of Center and Third West streets, was the first home of the institution. The building had been purchased for the Academy by President Brigham Young, and was re-arranged to meet the wants of the school. This hall served the purpose of the institution for nine years. By the opening of the tenth Academic year two additions had been completed, mainly by the munificence of President Smoot. Six months later, on the night of January 24, 1884, the entire structure was destroyed by fire. Only one schoolday however was lost. The basement of the old Tabernacle, Mr. S. S. Jones' store, and the newly completed First National Bank Building were generously donated for the use of the school during the remainder of the year. The following year the upper floor of the large Z. C. M. I. warehouse was leased. Here the school remained for six years, at the expiration of which the new building (now called the high school building) was completed, and on Monday, January 3, 1892, it was formally entered and dedicated.

Founder's day was first celebrated in the year 1891, and has since become a prominent holiday. This day, 1896, was signalized by the formal creation, by the Board of Trustees, of the College department.

A point in the school's growth was soon reached when more room became necessary. The need was promptly met by the following named persons: Wilford Woodruff, George

Quayle Cannon, Joseph Fielding Smith, Reed Smoot, Jesse Knight, Charles Edwin Loose, Jesse William Knight, Alfred William McCune, Inez Knight Allen, and Stephen L. Chipman. The collegiate building, the dedication of which took place during Commencement week, 1898, now stands as a monument to their liberality. The tableted chairs and settees with which the rooms are seated were donated by the patrons and friends of the school through the Alumni association.

The Brigham Young Academy South American Expedition with President Benj. Cluff, Jr., in charge, started on its journey April 17, 1900, and returned to Provo, February 7, 1902. During the two years that President Cluff was away, the institution was under the supervision of Dr. Geo. H. Brimhall as Acting President.

On February 17, 1902, the Gymnasium and Training School building, erected at a cost of \$35,000.00, was dedicated. The means for this structure were mainly the gifts of public-spirited friends, chief of whom were Jesse Knight and David Evans. On the same day, President Cluff, having returned from South America, resumed his office as President of the institution.

For a long time it had been felt that the character of the work of the institution entitled it to a more comprehensive name. This fact was recognized by the Board, and on Founder's Day, 1903, the name was formally changed from the Brigham Young Academy to that of Brigham Young University.

On December 22, 1903, President Benjamin Cluff, Jr., severed his connection with the institution, his resignation having been accepted a short time before. Dr. George H. Brimhall was chosen Acting President until the close of that school year, when he was appointed President of the University.

On October 26, 1904, the Missionary and Preparatory building was dedicated by President Joseph F. Smith. The first two stories of this building were erected by donations from the Alpine, Nebo, Utah, and Wasatch Stakes of Zion, and were set apart for the home of the Missionary Department and Sub-High school. The third story was fitted up for Domestic Science and Domestic Art work, Miss Emma Lucy Gates contributing nearly one thousand dollars, with a view to founding later a Domestic Science Department, bearing the name of her grandmother, Lucy B. Young. The cost of the building was over \$13,000.00.

During this same year, another building was erected at a cost of \$2,500.00 for the instruction in iron work. Ten forges in this building were donated by public spirited citizens. The growth of the school during this year was marked also by the organization of a department of Arts and Manual Training.

During the year 1905-1906 there were established two scholarships for girls—the Maria Y. Dougall scholarship, and the Eliza Woolacott scholarship.

During the year 1906-1907, the degree A. B. was substituted for the degree B. Pd. Ten acres of land were purchased on Temple Hill, and 500 acres of excellent fruit land situated on Provo Bench were donated to the institution by the Knight family. Members of the Faculty and members of the Board of Trustees contributed \$1,000 for the purchase of apparatus for the laboratory of Physics.

During 1907-1908 the students, teachers, and patrons of the school contributed \$2,025.70, with which cement walks were laid throughout the grounds. Another notable contribution by the students and teachers was one of \$1,000.00, with which a small plot of ground on the point of Temple hill was purchased, and donated to the institution. The dedication of Temple hill for educational purposes took place January 16, 1908, President Joseph F. Smith offering the dedicatory prayer.

The General Board of Education, February 11, 1909, established in this institution the Church Teachers' College, and concentrated here all the college work of the Church school system. In accordance with this decision, the organization of the University in general was modified. The members of the Alumni Association, ever loyal to the needs of the institution, asked the Church authorities for the privilege of erecting the first building for this college. As a result of their effort and liberal contributions the Maeser Memorial Building was erected at a cost of \$114,000.00. This building was opened for use during the school year of 1911-12. It occupies an imposing position on the brow of Temple hill east of the city, and serves as a nucleus around which a cluster of buildings will be erected as the needs of the Teachers' College enlarge.

ORGANIZATION.

The Brigham Young University, as now organized, comprises the Church Teachers' College and two secondary schools; the Church Normal Training School, offering regular courses leading to a diploma fitting the student to teach in the graded schools of the state; and a High School of four years' work, in which the student may specialize in any one of five directions, viz., (1) in the Academic department, preparatory for college work; (2) in the Commercial department, preparatory for a business career; (3) in the department of vocal and instrumental Music, leading to professional work in the field of music; (4) in the department of Arts and Manual Training, preparatory for the varied demands of active life; and (5) in the department of Agriculture, preparatory for scientific operations in farming, horticulture, and animal husbandry.

A Sub-High School or preparatory department is also maintained to prepare young men and young women who have passed the district school age, to enter the High School.

THE UNIVERSITY LECTURE COURSE.

The University maintains, as a supplement to its regular work, a lyceum course. This course was established fifteen years ago.

The last year's course, besides some supplementary numbers, included the following:

Senator Thomas P. Gore.
Dr. A. E. Winship.
Dr. Lyman B. Sperry.
The Dick-Bergen Concert Co.
The Royal English Glee Club.
Ernest J. Sais.
Dr. N. I. Rubinkam.
Shungopavi.
Dr. Byron W. King.

THE STUDENT BODY.

The purpose of this organization is to encourage and unify the activities of the students in their inter-class competitions as

well as in their competitions with other schools, and in their efforts to advance the interests of the University. Bi-weekly meetings of the entire student body are held, at which suitable programs are rendered. The affairs of this organization are under the direction of the Student Body Board of Control, composed of the president and the two vice presidents of the Student Body, chosen from among the students, the Presidency of the University, the director of physical education, and the presidents of the class organizations.

DISCIPLINE.

The standards of honor and personal righteousness demanded of good citizens and consistent Latter-day Saints are required. Within these limits the students are given the fullest freedom. Those who fail to conform to these standards either in personal habits or associations are subject to discipline.

For the injudicious expenditure of means students will be called to account. The use of strong drink or tobacco, the keeping of late hours, having improper associates, or visiting places of questionable repute, are not permitted and will not be tolerated. Students are not permitted to attend public parties except on written request of parents or guardians. All social functions given by students are under the direction of the committee on lectures and socials. Students will be held responsible for the cost of any damage done by them to the property of the institution. Any disciplinary announcement made by the Executive of the institution becomes a part of these regulations. Violation of any of the regulations lays the offender liable to suspension or expulsion.

SUMMER SEMESTER.

By an action of the Board of Trustees a summer semester of twelve weeks has been added to the work of the regular school year. The courses completed during the summer will receive the same recognition by other institutions and by the State and city boards of education as other credits given by the University. The maximum number of hours that may be obtained without special permission of the summer school Faculty, is twelve, which will stand as the equivalent of one and one-half

units if offered for High school credit. The summer semester will be divided into two terms of six weeks each. Students may enter at the beginning of either term and register and receive credits for either six or twelve weeks' work.

SCHOOL SOCIETIES.

ARTS SUPERVISION ASSOCIATION.

This organization consists of the students of fine and manual arts and of domestic science, who have been graduated by this institution; also of prospective graduates of the college or high school. The purpose is to further the interests of the profession.

MASTERBUILDER CLUB.

This organization has been established for the benefit of students having special talent in any special phase of fine and applied art. Students become life members on entrance and remain such as long as advancement is shown by them. During the year lectures on practical application, and other topics in connection with arts and crafts are given by members of the faculty and recognized educators.

THE LITERARY SOCIETY.

This organization is primarily for the benefit of the classes in English, elocution, and literature, though membership is open to all students. The purpose is to cultivate the literary tastes of its members, and to furnish opportunity for acquiring facility in public speaking. It is under the direct control of the department of English.

THE MUSIC SOCIETY.

This is a society of the students in music, the purpose being to study classic selections. The society meets weekly for an hour's recital by the instructors and leading students in music. Admission to these recitals is free.

DEBATING SOCIETIES.

Two debating societies are organized in the University, the Athena and the La Junta. Only fourth-year students of the high school, and college students are eligible to membership. The La Junta is limited to thirty members and the Athena to twenty-four. The students who represent the University in the intercollegiate debates are chosen from these societies.

PRIZES IN PUBLIC SPEAKING.

There have been established at the University the following prizes for contests in public speaking:

1. **The Barton and Blake Gold Medal** for the best Washington Birthday oration.

2. **The Jex Gold Medal** for the best oration on any subject. April 25.

3. **The Kirkham Medals**, given to those students who make the debating teams.

EQUIPMENT.

LIBRARY.

The library consists of 10,825 bound volumes and some 9,100 pamphlets.

Class organizations of the school have been the chief contributors in the past, the Class of '97 taking the initiative. The contributions have been as follows:

On Philosophy, by the Class of '97—252 vols.

On Theology, by the Class of '98—720 vols.

On Literature, by the Class of '00—215 vols.

On History, by the Class of '02—383 vols.

On Science, by the Class of '03—452 vols.

On Psychology and Pedagogy, by the Class of '04—200 vols.

On Economics and Sociology, by the Commercial School—30 vols.

Periodicals, by the High School '04—201 vols.

On American Antiquities, by the Class of '05—27 vols.

Maria Leland Library.—An event of importance to the library is the formal gift, on April 15, 1908, of the Maria Leland Library by Mr. F. Warren Smith, of California. This collection consists of 1,500 volumes of physics, chemistry, and allied subjects, worth upwards of \$7,000. An addition has been made to this collection, of about one hundred bound volumes of annals of chemical associations, both American and foreign.

U. S. Depository Library.—Through the efforts of Senator Reed Smoot, the Government, on May 18, 1908, made the Brigham Young University library a U. S. Depository. This library contains several hundred public documents of value, as references in history, sociology, education, economics, agriculture, etc.

The H. J. Peterson Library of Education and Psychology.—The library has made substantial growth along lines appropriate to a Teachers' College. This growth was stimulated by an action of the H. J. Peterson family in establishing a library of education and psychology. Annual additions of well selected books will be made to this library, the University having agreed to duplicate each year for this purpose the amount added by the Peterson family.

Periodicals.—Besides local and state papers, the library contains the leading scientific and literary journals, both American and foreign, of value to the various departments and of general interest to the students.

THE PHYSICAL LABORATORY.

The rooms for physics are favorably situated in the south side of the basement floor, thus affording sunlight for optical experiments and comparative freedom from vibration, also constant temperature conditions so necessary for accurate physical work. The electrical and magnetic laboratory as well as the dark room for optical work are equipped with massive masonry piers, and heavy slate shelves set into the walls, which are of great convenience in all delicate work requiring absolute freedom from vibrations. For the experimental study of electricity, magnetism, and light, the laboratory is very well equipped, containing galvanometers of every grade and range volt and ammeters, a large storage battery in a special room, direct and alter-

nating current supply, with a complete line of Reichsaustalt standard resistances, a Carey Foster Bridge, quadrant and attracted disc electrometers, a Hartmann and Braun powerful electro-magnet, a precision potentiometer with cadmium standard cells standards of induction and capacity, earth inductors, electrical tuning forks, magnetometers, etc., spectrometers, a spectroscope, diffraction gratings, Fresnel's mirrors and prisms, a Michelson interferometer, a Geryk vacuum pump, polariscope, and accurate polarimeters with Babinet and Soliel compensators for study of elliptically polarized light, a dividing engine with micrometer microscope, a two-mirror heliostat, wireless telegraphy, X-Ray outfit, etc.

THE LABORATORY OF CHEMISTRY.

The rooms used for laboratory work in chemistry are on the basement floor of the High School building. Two rooms are used for storing and compounding chemicals and two for regular experimental work. Each desk contains lockers for the students' materials and is supplied with water and gas. The laboratory for the more accurate chemical analyses is provided with a number of balances varying in sensibility. Four of these are of the highest degree of accuracy. They are mounted on agate bearings and are of the finest workmanship.

In a fifth room is constructed a furnace for work in fire assaying.

THE LABORATORY OF GEOLOGICAL SCIENCE.

The laboratory and lecture rooms of this department are located on the third floor of the high school building and are admirably adapted for laboratory and study purposes.

The lecture room will comfortably seat one hundred students and is provided with maps, charts, models, a mercurial barometer, and a good collection of typical minerals for class room demonstration.

Immediately adjoining the lecture room is the laboratory which is equipped with the most modern and best apparatus for work in physiography, meteorology and geology. The laboratory is provided with gas and water, with an up-to-date system

of lockers and storage cases, so that each student is provided with all necessary apparatus and a proper place for storing the same.

The laboratory has a large collection of topographic, geologic and soil maps, a collection that is rapidly growing. In the laboratory room there is also a good working library of about two hundred bound volumes and several hundred pamphlets, professional papers, and bulletins.

The laboratory is provided with a good stereopticon and a large collection of choice slides made principally from our own negatives.

The broad, flat roof of the building is an excellent place for the meteorological apparatus, by means of which a complete daily record of weather conditions is kept.

BIOLOGICAL LABORATORIES.

The laboratories, supply rooms, and museum of the biological department are well lighted rooms, located on the second floor. The laboratories are provided with running water, gas and electricity, student work tables, individual lockers, general supply tables and shelves, aquaria, animal cages, plant boxes, etc. A fish hatchery is maintained in connection with the laboratories by the state. For general work there is a supply of dissecting and compound microscopes of the most recent patterns, camera lucidas, micrometers, and other accessories. The department possesses sliding and rotary Minot microtomes, incubators, water baths, and a good supply of dissecting dishes, stender dishes, petri dishes, slides and covers, and other glassware; also a high grade microphotographic camera with all the requisite accessories for photographic and lantern slide work, together with a well equipped dark room. The biological collections are rapidly increasing and already furnish ample material for demonstration and special study. Extensive series of prepared slides along embryological and histological lines are available to students for supplementary and special studies. Specially prepared wall charts and wax models, showing the embryological development of various vertebrates, are provided.

For the work in physiology ample equipment has been provided.

This makes possible the most thorough and modern experimental work. There is a full supply of such apparatus as the following: kymographs, spring myograph, muscle and heart levers, inductoria, chronographs, tuning forks, batteries, various types of clamps, electrodes, ergograph, cardiographs, sphymographs, cannulas, ophthalmoscopes, perimeters, test lenses, artificial eyes, hemometers, haemocytometers, centrifuge, commutators, keys, time markers, tetanus-wheels, capillary, electrometers, tambours, spectroscopes, ureometers, albumenometers, urinometers, stethographs, stethoscopes, respiratory and circulatory schemes, water baths, sterilizers, dialyzers, and a complete line of the needful glassware and chemicals.

THE PSYCHOLOGICAL LABORATORY.

The psychological laboratory is provided with charts and apparatus for illustrative purposes in lecture work and for the requirements of a year's work in general experimental psychology. Among other things the laboratory contains such valuable instruments as a large electric motor rotator with variable speed, for color mixing, etc.; a Seashore audiometer, for careful tests of acuity of hearing; a set of Edelman's resonated tuning forks with some duplicates, a Calton's whistle, etc., for work on tones; Jacquet's graphic chronometer, kymograph, etc., for accurate time measurements; vernier chronoscope, for reaction time experiments on the more complex mental process.

AGRICULTURAL LABORATORIES.

The nature of the agricultural course is such that it takes the student into the field for much of his laboratory work. The great variety of trees, shrubs and grasses, the variation in soil types, the activity in irrigation and drainage, and the interest taken in the development of the live stock industry in the vicinity of the University, together with the demonstration plot of ten acres on the college campus on which the student may carry on experiments, give ample facilities for thorough work. In addition to the above, the department laboratory is equipped with apparatus necessary to conduct experiments in soil physics, and to do systematic work in crop judging, horticulture, agriculture bacteriology and entomology.

Toward the equipment of a laboratory for agricultural mechanics, the Consolidated Wagon and Machine Company has contributed to the agricultural department full lines of harvesting and soil working machinery. The DeLaval Separator Company, The U. S. Separator Company, and the Tubular Separator Company have contributed machines which should be used in the proper handling of milk on the farm. The Sephers Incubator Company, and the Sure Hatch Incubator Company have also contributed incubators to this department.

LABORATORIES OF APPLIED ARTS.

The laboratories of the various applied arts and manual training are provided with all necessary equipments for the courses offered. In the iron and woodwork shops electric power is provided to run the lathes, saws, etc.

THE ART STUDIO.

Much careful attention has been given to the selection and collection of nature specimens, casts, still-life, textiles, and other equipment necessary for the courses. The loans of Professor E. H. Eastmond comprise an extensive and valuable collection of photographs, reproductions of paintings, and motif matter in print form; a collection of stereopticon lantern slides on the history of art and kindred subjects, of still-life and textiles, of reference books on arts, crafts, etc., and a collection of authorized models in the various lines of fine and applied arts. The department is collecting all the work of art possible and has now in its possession various pieces of rare value.

EXHIBITIONS.

Art Exhibits.—The University Gallery of Art, comprising works of eminent Utah artists, is open regularly for the benefit of students and the public. An annual exhibition of correlated Arts is held during each school year. Each graduating student of the department of Arts and Manual Training has the privilege of exhibiting his work.

Agricultural Exhibit.—This exhibit brings before the stu-

dents of Agriculture annually the choicest products of the farm and orchard. Its purpose is to create in the minds of the students high standards of quality in farm products. It also affords opportunity for becoming acquainted with the standard varieties of fruits, grains, vegetables, etc. Prize ribbons are awarded the successful competitors. The University is indebted to the generosity of the farmers and orchard men of Utah and adjoining counties for the fine agricultural products which they so willingly contribute to make the annual exhibits a success.

Annual Exhibit.—One day during the closing week of each school year is set apart to show the patrons of the school the buildings, laboratories, the work of the various departments and to make exhibits of live stock and to demonstrate with the most approved agricultural machinery.

MUSEUM.

The Museum is an important feature in the department of Natural Science. Among the notable exhibits is a collection of one thousand two hundred birds from Mexico, Central America, and South America, made by the exploring expedition. There are also collections in Mineralogy, Geology, and Physiography. Friends, patrons, and students of the institution are respectfully invited to make such donations and contributions to this department as their kindness and ability will suggest. In sending specimens state the name of the donor, the place where the specimen was found, and add such other facts as will be of interest to the student.

ENTRANCE FEES.

Church Teachers College.....	\$20.00
Normal School	20.00
High School:	
Academic department	20.00
Commercial department	36.50
Music department	20.00
Arts and Manual Training department.....	20.00
Agricultural department	20.00
Sub-High School	20.00

The above entrance fees include the student body fee, subscription to the school paper—the White and Blue—and season ticket to the general lecture course.

Pupils entering the Training School will be charged an annual fee of \$4.00. Training School pupils will be given complimentary admission to the general lecture course and to all campus sports. Students of other divisions of the school may take work in the Commercial department by paying extra for each course.

Laboratory fees for each Semester.

Agricultural Botany, \$1.00.

Applied Art, \$1.25.

Assaying, \$5.00.

Bacteriology, \$1.00.

Botany, \$2.00.

Crafts Work, 50c for each hour's credit.

Design, \$1.25.

Domestic Art, 50c.

Domestic Science, \$2.50.

Drafting, 50c.

Drawing, 50c.

Dressmaking, \$1.50.

Economic Geology, \$2.00.

Economic Geology, Agricultural students, \$1.00.

Entomology, 50c.

Field Crops, 50c.

General Chemistry, \$3.00.

General Geology, \$1.00.

Gymnasium, \$2.50 per year.

Histology, \$4.00.

Iron Work, \$5.00 1st year; \$4.00 2nd year; \$3.00 3rd year.

Mineralogy, \$2.00.

Nature Study, \$1.00.

Neurology, \$4.00.

Normal Manual Training, \$1.25.

Organic Chemistry, \$3.00.

Physics, \$1.50.

Physiography a, \$1.50.

Physiography b, \$1.00.

Physiology, \$2.50.

Plant Pathology, \$1.00.

Qualitative Analysis, \$5.00.

Quantitative Analysis, \$5.00.

Shop Work, 50c.

Soil Physics, \$1.00.

Studio Work, 50c for each hour's credit.

Veterinary Science, 50c.

Woodwork, \$3.50.

Zoology, \$2.00.

Graduation fees.—Degree \$10.00, diploma \$5.00. These fees are to be paid not later than ten days before graduation.

A fee of \$1.00 is charged for each special examination for advance credit, or for removing conditions.

The Church Teachers College.

Keeping pace with the educational advancement of our state, the General Church Board of Education established the Church Teachers College of the Brigham Young University. It is the aim of the College to prepare teachers for the schools of the Church as well as for the schools of this intermountain country.

The College is organized with the following departments: Theology and Religion; Education; Psychology and Philosophy; English; Modern Languages; Ancient Languages; Mathematics; Biology; Geology; Chemistry; Physics; History and Government; Sociology, Economics and Commerce; Agriculture; Correlated Arts; Biblical History and Literature; Music.

ADMISSION.

Students are either (1) regular or (2) special.

1. To enter as a regular student the candidate must have completed a four-year high school course or its equivalent; or he must pass examinations in a sufficient number of the subjects outlined below to make fifteen units of credit.

The fifteen units presented for entrance should include: English, 2 units; mathematics or history and civics, 2 units; science or modern languages, 3 units; elective, 8 units. The list of studies from which electives may be offered is found below. Students may be permitted to register in the College with a condition of 2 units. A unit represents the credit given for five prepared lessons a week of not less than forty-five minutes' length throughout the year.

2. Candidates who are of mature age, and who show ability to pursue special work, are admitted as special students on the recommendation of the professor of a department. Any special

student may be enrolled as a regular student on fulfillment of the requirements for admission.

Following is a list of subjects from which the electives may be chosen. The units indicate the amount of credit allowed for each subject:

English	2 units	Astronomy	$\frac{1}{2}$ unit
Botany	$\frac{1}{2}$ or 1 unit	Chemistry	1 "
Zoology	$\frac{1}{2}$ or 1 "	Physics	1 "
Physiography	$\frac{1}{2}$ "	Solid Geometry	$\frac{1}{2}$ "
Geology	$\frac{1}{2}$ "	Higher Algebra	$\frac{1}{2}$ "
Physiology	$\frac{1}{2}$ or 1 "	Agriculture	$\frac{1}{2}$ "
Trigonometry	$\frac{1}{2}$ "	Music	$\frac{1}{2}$ "
American History & Civics	1 "	Manual Training	$\frac{1}{2}$ "
English History	$\frac{1}{2}$ or 1 "	German	1, 2 or 3 units
Ancient History	1 "	French	1, 2 or 3 "
Modern History	1 "	Spanish	1, 2 or 3 "
Domestic Science or Art	$\frac{1}{2}$ "	Latin	1, 2 or 3 "
		Greek	1, 2 or 3 "

The work done in each of these subjects should be equivalent to that outlined in the academic department of the University High School. Other subjects than those here named may be accepted, provided evidence is furnished that the work in them has been thorough and of a sufficient amount.

ELECTION OF STUDIES.

The student, in electing his studies, should first select his major course, and then under the advice and with the approval of the major professor, select such other studies as are desirable. The major and minor requirements for graduation should be kept in mind in choosing studies.

The major course should generally be followed during the four years of college attendance. Studies should, if possible, be taken in the year and in the order in which they are found in the catalogue.

GRADUATION.

Students who have completed one hundred and twenty hours of college work, at least twenty-five hours of which shall be residence work, and who have satisfied major and minor requirements, may receive the degree of Bachelor of Arts, (A.B.)

The candidate must present at least twenty-four hours in the department in which his major work is done, and ten hours of collateral or minor work. English 1 is required of all candidates.

The candidate will also be required to furnish credits in the following lines:

Education, Philosophy and Psychology.....	15	hours
Mathematics, Science and Agriculture.....	20	"
English and Foreign Languages.....	15	"
History and Government, Sociology, Economics and Commerce	15	"

No variation from this grouping of credits will be permitted except upon the approval of the major professor.

The recommendation of the department in which the student elects his major work, and the approval of the faculty are necessary to graduation. The major professor acts as his advisor in all matters pertaining to his educational work.

Fifteen hours a semester is the normal work, but students may, with the approval of their major professor, elect eighteen hours.

All "conditions" imposed for incomplete or unsatisfactory work in any course must be removed within a year of the date of such "conditions," or claims for credits will be denied.

CLASSIFICATION OF STUDENTS.

A regular college student with fewer than 30 hours credit at the beginning of the school year shall be classed during that year as a Freshman.

A regular college student with more than 29 hours credit and fewer than 60 hours at the beginning of the school year, shall be classed during that year as a Sophomore.

A regular college student with more than 59 hours credit, and fewer than 90 hours credit, at the beginning of the school year shall be classed during that year as a Junior.

A regular college student with more than 89 hours credit at the beginning of the school year shall be classed during that year as a Senior.

DEPARTMENT OF THEOLOGY AND RELIGION.

Professor Keeler.

Professor Merrill.

Professor Chamberlin.

Professor Christensen.

Professor Osmond.

1. **Book of Mormon.**—This course consists of a study of the internal and external evidences of the authenticity of the Book of Mormon, also a harmony of the teachings of the Hebrew and Nephite prophets in relation to Christ, His mission and doctrine. Three hours throughout the year.

2. **Life of Christ.**—A brief outline of New Testament times in Palestine. The sources for the study. The life of Jesus to the time of His call to the active ministry. The principles that guided Him in His active ministry as shown in the account of His temptations. The active ministry. Its central aim. The teachings and miracles. The suffering and voluntary death. The resurrection and the ascension. Throughout the course the aim will be to increase faith in Jesus as the revealer of the fullest life and as the Son of God through an active appreciation of His character as it manifests itself in His deeds and teachings. Three hours, throughout the year.

3. **The Patriarchs and Prophets of Israel.**—A study of the Old Testament from the standpoint of its religion and ethics,

as illustrated in the lives, customs, laws and sacred records of the Hebrew people. Three hours throughout the year.

4. Natural and Revealed Religion.—A comprehensive study of the relationship of these two forms of faith. Under the head of natural religion, the natural and humanistic means of finding out God are carefully classified and discussed. The sequence of the discussion is the establishment of a natural and logical foundation for the revelations of God to man. Under the head of revealed religion, the following are some of the fundamental problems discussed: Free Agency, Personal Liberty and Social Restraint, Conditions of Happiness, The City of God, and the Nature and the Agencies of Redemption. Three hours, throughout the year.

DEPARTMENT OF PSYCHOLOGY AND PHILOSOPHY.

Professor Chamberlin.

1. General Psychology.—This course covers in a general way the whole field of normal human psychology. A brief introductory study of the central nervous system will be made. A series of carefully arranged experiments are worked out. Each student will be required to write papers on special topics, and to keep a carefully written journal of experimental work.

Texts: Angell's "Psychology," Judd's "Psychology," and Seashore's "Elementary Experiments in Psychology."

Not open to first year students. Three hours, throughout the year. Six hours credit.

2. Social Psychology.—A general study of the development of mind, from social interaction, into the complex forms manifest in modern societies. The nature and growth of the "self," suggestibility, mob-mind, fashions, conventionalities, customs, etc. Primitive and modern societies compared with re-

spect to the operation in them of conservative and reconstructive forces.

Two hours, throughout the year. Four hours credit.

3. Philosophy of Nature.—An elementary study of man's place in the world from the function of nature and science in his life. The validity of the moral and religious aspects of experience. The fullest life and the ideal society. Two hours, throughout the year. Four hours credit. (Not to be given in 1912-13.)

4. Logic.—A study of the occasion, nature, and function of the thinking process. The training of thought. Three hours first semester. Three hours credit.

5. Ethics.—The organization of our activities in the process of adjustment to our environment. Place of faith and love in life. The virtues. Freedom and the organization characteristic of the fullest life. Happiness. Three hours, second semester. Three hours credit.

6. Seminary.—Advanced study of some topic to be selected from the fields of Psychology or Philosophy. The topic will be varied from year to year according to the needs of students. Topic for 1911-12, "Ethical Literature." Two or three hours, throughout the year.

DEPARTMENT OF EDUCATION.

Professor Brown.

Professor Schumaker.

Assistant Prof. Johnson.

Students desiring to prepare for teaching in the grades of the public schools should elect courses 1, 2, 3. A normal diploma will be granted to those who complete 20 hours of college credit, including these courses.

1. **Elementary Training.**—This course is designed to prepare grade teachers and is open to freshman students. It consists of preparation of plan of recitation and practice teaching in the grades of the elementary training school. Four hours, first semester. Four hours credit.

2. **Department Supervision.**—A continuation of course 1 including department supervision. Students will be given opportunity to correlate and control the work of an entire grade. Four hours, second semester. Four hours credit.

3. **Principles of Education.**—Modern views of the meaning, scope, and aims of education, its methods, means, and institutions; the courses of study and the educational value of the respective studies. General Psychology, prerequisite. Three hours, first semester. Three hours credit.

4. **Principles of Secondary Education.**—This course includes a consideration of the aims and scope of secondary education and its relation to the work of the elementary school, the college and the practical activities of life. The program of study of high schools and their administration will receive special consideration. Three hours, second semester. Three hours credit.

5. **History of Education.**—This course covers the educational theories and practices of the Greeks and the Romans, the decline of pagan and the rise and growth of Christian education, the rise of universities and the great Renaissance. It presupposes a knowledge of Ancient and Medieval History. Three hours, first semester. Three hours credit.

6. **History of Education.**—Continuation of course 5. This course includes a consideration of the origin and growth of secondary and elementary education, the rise and development of science and a scientific method in education and the growth of modern school systems with their institutions and practices. Knowledge of European or Modern History prerequisite. Three hours, second semester. Three hours credit.

7. **School Organization and Administration.**—The organization of elementary, secondary, and the higher educational in-

stitutions, their relationship to each other and to social activities, their purposes and programs of study; the administration and supervision of schools in state, city, and rural communities. Three hours, first semester. Three hours credit.

8. **School Organization and Administration.**—Continuation of course 7. Three hours, second semester. Three hours credit.

9. **Secondary Training.**—Educational value of secondary school studies and the principles and general methods of teaching; observation of high school teaching, written reports and discussions. Three hours, first semester. Three hours credit.

10. **Practice Teaching.**—Actual practice in teaching will be given in high school studies, usually in those which are in line with the student's major subject. Four hours, second semester. Four hours credit.

11. **Juvenile Sociology.**—Dependents, defectives, delinquents. The attitude of modern society toward these and their social treatment. The institutions for and processes of their care, education and reformation. Three hours, first semester. Three hours credit. (Credit for this course will be given also in the department of Sociology, Economics, and Commerce.)

12. **Normal Methods in Music.**—Designed especially to aid grade teachers in their vocal work. Tonal tendencies in major and minor internals; pitches, triads, signatures, dynamics, rhythms, note reading, and simple melody writing. Two hours, first semester. Two hours credit.

13. **Normal Methods in Music.**—Course 12 required. Note reading, sight singing, decisions of problems involved in proper treatment and training of child voice. Chorus practice, and individual practice in singing songs suitable for primary grades. Two hours, second semester. Two hours credit.

DEPARTMENT OF ENGLISH.

Professor Osmond.
Professor Reynolds.
Instructor Camp.

1. **Rhetoric and Composition.**—Daily themes, conferences, lectures and prescribed reading. Required of all candidates for the degree of Bachelor of Arts. Three hours, throughout the year. Six hours credit.

2. **Composition and Literature.**—Oral and written composition, conferences, lectures, and prescribed reading. This course is required of all students who elect their major in the English department and is recommended to all students who are doing special work in English. English 1 required. Three hours, throughout the year. Six hours credit.

3. **Public Speaking.**—The first semester is devoted to the cultivation of voice and action in public speaking and reading. In the second semester the student is given practice in the preparation and presentation of all forms of public discourse. Three hours, throughout the year. Six hours credit.

4. **English Literature.**—A systematic and comprehensive study of the best literature from the Norman Conquest to Chaucer. The intense activity of modern scholars in the study of the literature of this productive period makes this one of the most interesting and important courses that the department offers. Three hours, throughout the year. Six hours credit.

5. **English Literature from Wordsworth to Tennyson.**—An intensive study in Wordsworth, Coleridge, Byron, Shelley, and others. Lectures, prescribed reading, and weekly papers. Three hours throughout the year. Six hours credit.

6. **Milton.**—Milton's minor poems and several books of

Paradise Lost are carefully studied. Two hours, first semester. Two hours credit.

7. **The English Drama.**—A study of the English drama from the Miracle Plays to the closing of the theatres. Two hours, second semester. Two hours credit.

8. **Shakespeare.**—In this course five or six of the great plays of Shakespeare are read in class. Special attention is given to the interpretation of difficult passages. While the primary purpose of the course is to make the student familiar with Shakespeare, it is believed that a compliance with its prescribed requirements involves the ability to understand and appreciate Elizabethan literature in general. The course is so arranged that it may be taken in two successive years. Three hours, throughout the year. Six hours credit.

9. **Shakespeare.**—Continuation of 8. Three hours, throughout the year. Six hours credit.

10. **Chaucer.**—In this course many of the Canterbury Tales are read in class. The student is carefully drilled in Chaucer's pronunciation, and special attention is given to the interpretation of the text. Two hours, throughout the year. Four hours credit.

11. **English Literature.**—The history and development of the English novel. Two hours, throughout the year. Four hours credit. Not to be given in 1912-13.

12. **American Literature.**—Two hours, throughout the year. Four hours credit.

13. **Philology.**—The history and development of the English vocabulary. A comprehensive study of the ways of words and the development of English grammar. Three hours second semester. Three hours credit.

14. **History of English Literature.**—A course dealing with the history and development of English Literature. Three hours throughout the year. Six hours credit.

15. **The English Drama.**—A study of the English drama from the Miracle Plays to the closing of the theatre, including Shakespeare's contemporaries. Two hours throughout the year. Four hours credit.

16. **English Literature.**—An intensive study of the Victorian poets. Three hours throughout the year. Six hours credit.

17. **Modern Drama.**—A course devoted to a study of Ibsen, Shaw, Maeterlinck, Hauptmann, and others. Two hours throughout the year. Four hours credit. (Not to be given in 1912-13.)

18. **Anglo-Saxon.**—The work of this course is based on Bright's Anglo-Saxon Reader. Two hours throughout the year. Four hours credit. (Not to be given in 1912-13.)

ELOCUTION.

1. **Literary Interpretation.**—This course is designed for advanced students of reading. Its aim is to give ability to interpret the printed page by continual individual practice with personal help and criticism. A number of literary masterpieces will be studied to develop emotional power and literary appreciation. English 11 of the High School prerequisite. Three hours per week throughout the year. Six hours credit.

2. **Shakespeare Interpretation.**—Several plays of Shakespeare will be interpreted orally and the principal scenes will be presented in class. Three hours throughout the year. Six hours credit.

DEPARTMENT OF ANCIENT LANGUAGES.

Professor Chamberlin.

Instructor —————

HEBREW.

1. A study of the grammatical principles of the language in connection with the reading of Genesis 1-8, and portions of the

books of Samuel. A vocabulary of five hundred important Hebrew words is acquired. Three hours, throughout the year. Six hours credit.

2. A study of syntax in connection with the reading of selections from the prophets. Memorizing of Isaiah 53 and of several psalms. Two hours, throughout the year. Four hours credit.

GREEK.

1. A study of Gleason's Greek Primer; the first book of the Anabasis. Four hours, throughout the year. Eight hours credit.

2. The second and third books of the Anabasis; books one, two and three of the Iliad. Three hours, throughout the year. Six hours credit.

3. Selections from Xenophon's Memorabilia; Plato's Apology and Crito. Three hours, throughout the year. Six hours credit.

4. A study of New Testament Greek in connection with the reading of the Gospel of Mark. Course 1 is a prerequisite. Three hours, first semester. Three hours credit.

5. Translation and study of Paul's letter to Romans. Three hours, second semester. Three hours credit.

LATIN.

1. Cicero's orations against Cataline and the oration for Archias. Three hours, throughout the year. Six hours credit.

2. Aeneid of Virgil: six books are read. Three hours, throughout the year. Six hours credit.

3. Cicero's De Amicitia; selections from Livy's Roman History; Odes of Horace. Three hours, throughout the year. Six hours credit.

DEPARTMENT OF MODERN LANGUAGES.

Professor Christenson.
Professor Whitaker.

GERMAN.

1a. Elementary reading and grammar with daily practice in speaking and writing according to the progress of the student. Five hours, throughout the year. Ten hours credit.

2a. Grammar, composition, and reading of a number of easy prose classics. Oral reports and discussions based on reading in and out of class. Five hours, throughout the year. Ten hours credit.

1. A conversation and composition course based on a study of German life and culture. Reading of selected classics in prose and verse. Two hours throughout the year. Four hours credit.

2. The history of German literature. Lectures and assigned readings. Two hours, throughout the year. Four hours credit.

3. A study of some one period of German literature with reading and analysis of selected works. This course varies from year to year and may be taken more than once. Three hours, throughout the year. Six hours credit.

4. German phonetics and methods of teaching language. One hour, throughout the year. Two hours credit.

5. Goethe and Schiller. A study of their life and principal works. Three hours throughout the year. Six hours credit.

6. The German Drama. Special attention is given in this course to the writings of Lessing and his relation to the development of the drama in Germany. Three hours, throughout the year. Six hours credit.

FRENCH.

1a. This course is designed for college students who have never studied French. The essentials of French grammar are introduced and taught in French idiom, based upon graded lessons and a great variety of exercises. Daily conversation and dictation. Five hours throughout the year. Ten hours credit.

2a. Continuation of 1a. The student is introduced to the real spirit and genius of French literature. Reading and analysis of classics of the "Romantic Period." Technical study of Brachet and Dussouchet's "Grammaire Francaise." Composition. Five hours throughout the year. Ten hours credit.

The following courses need not be taken in their order. All students having completed 1a and 2a, or their equivalent, are eligible.

1. "Histoire de la Litterature Francaise" by Doumic. This course gives a broad survey of the entire field and development of French literature. Reading and discussion of representative masterpieces of chief periods. Advanced composition, diction and style. Five hours throughout the year. Ten hours credit.

2. Detailed study of the origin of French literature to the sixteenth century including the first "monuments" of the language, the "cycles" and their influence upon the early development of the literature. Five hours throughout the year. Ten hours credit.

3. The French Tragedy. Its origin and development. Careful study and comparison of masterpieces of Corneille and Racine. Their psychology and style. Classic rules. Three hours throughout the year. Six hours credit.

4. The Romantic Period. First workers of Romanticism from (Rousseau) to Victor Hugo. The quarrel of the "ancients and the moderns," and the end of the classic rules. Three hours throughout the year. Six hours credit.

5. Victor Hugo. The central figure of the Romantic Period. His life; his drama; novels, and poetry. Detailed study of his masterpieces. Two hours throughout the year. Four hours credit.

DEPARTMENT OF MATHEMATICS.

Professor Ward.

1. **Trigonometry.**—Three hours, first semester. Three hours credit.
 2. **Plane Analytic Geometry.**—Five hours, second semester. Five hours credit.
 3. **Differential and Integral Calculus.**—Five hours, throughout the year. Ten hours credit.
 4. **Advanced Integral Calculus.**—A more thorough treatment of definite integrals and their application. Five hours throughout the year. Ten hours credit.
 5. **Ordinary Differential Equations.**—Five hours, first or second semester. Five hours credit.
 6. **Infinite Series.**—Three hours, first or second semester. Three hours credit.
 7. **Mechanics.**—Statics and dynamics of particles and of rigid bodies. Five hours throughout the year. Ten hours credit.
 8. **Elasticity and Hydrodynamics.**—Special emphasis on electromagnetic and optical applications. Five hours throughout the year. Ten hours credit.
 9. **Fourrier's Series and Spherical Harmonics.**—Application of these functions to solutions of the partial differential equations of flow of heat and electricity and elastic vibrations. Five hours throughout the year. Ten hours credit.
 10. **Mathematical Theory of Electricity.**—Five hours throughout the year. Ten hours credit.
 11. **Vector Analysis.**—Ten hours credit throughout the year. Prerequisite Mathematics 3.
- Not more than the equivalent of four full courses given during one year.

DEPARTMENT OF HISTORY AND GOVERNMENT.

Professor Jensen.
Instructor Snow.

HISTORY.

1. **American Colonial History.**—From the discovery of America to 1750. A study of the problems of discovery, exploration, and colonization. Four hours, first semester (1913-1914). Four hours credit.

2. **American History.**—The period from 1750-1817. The European conflicts for colonial territory. The causes and results of the American Revolution. The "Critical Period" and the formation of a national constitution. Federalist supremacy and downfall. Expansion of the Republic. Four hours, second semester (1913-1914). Four hours credit.

3. **American History.**—The period from 1817-1860. This course considers the "Rise of the New West," the economic, political, and moral phases of slavery, and the constitutional questions arising therefrom. Four hours, first semester (1912-1913). Four hours credit.

4. **Civil War and Reconstruction.**—The period from 1860-1910. A study of the Civil War and the readjustment of the nation to its equilibrium after the war. Four hours, first semester (1912-1913). Four hours credit.

5. **History of England to 1603.**—This course deals with the political, social, and constitutional history of England. Three hours, first semester (1912-1913). Three hours credit.

6. **History of England Since 1603.**—Continuation of His-

tory 5. Three hours, second semester (1912-1913). Three hours credit.

7. **The French Revolution and the Napoleonic Period.**—A study of the causes, constitutional and social experiments of the French Revolution, with an examination of Napoleon's career. Three hours, first semester (1913-1914). Three hours credit.

8. **History of Continental Europe Since 1814.**—An examination of the rule of Metternich, the development of Liberal opposition, the revolutions of 1820, 1830, and 1848, the unification of Italy, and the establishment of the German Empire, concluding with a survey of present European conditions. Three hours, second semester (1913-1914). Three hours credit.

GOVERNMENT.

1. **Comparative Constitutional Government.**—This course will include the study of governments of the United States, England, France, Germany, Austria-Hungary, Switzerland, etc. Attention will be given to the different departments of government, the relations between these departments, organization and influence of political parties, the judiciary and its relation to the constitution. Three hours throughout the year (1912-1913). Six hours credit.

2. **Government of the United States.**—This course considers the American political system—national and state. The more important subjects studied are: Territorial basis of national life; the people within the United States; American theories of popular government; historical development of American government; citizenship and alien status; suffrage; political parties and their organization; doctrine of two spheres; constitution making; the national legislature; the national executive; the national judiciary; civil service reform; adoption of constitutions; status of territories; foreign relations; departments of state governments, etc.

A general course in American history is prerequisite. Three hours throughout the year (1912-1913). Six hours credit.

3. **International Law.**—A study of the sources, principles, and sanctions of international law. Most of the time is devoted to the fundamental subjects of peace, war, and neutrality. The influence of The Hague Tribunal upon international law will also be considered. Three hours. (Not to be given in 1912-13.)

4. **History and Principles of American Diplomacy.**

Prerequisite: Government 3. Three hours. (Not to be given in 1912-1913.)

5. **Municipal Government.**—This course deals with municipal activities in the United States and in the chief European countries. Some of the more important subjects treated are: The history of municipal growth; municipal functions and activities, such as public health and safety, charities, education, municipal improvements, municipal finances, municipal organization, municipal home rule, municipal ownership, municipal politics. Four hours. Four hours credit. (Not to be given in 1912-1913.)

DEPARTMENT OF ECONOMICS, SOCIOLOGY AND COMMERCE.

Professor Swenson.

Professor Glade.

ECONOMICS.

1. **General Principles of Economics.**—A study of the underlying principles governing the production, exchange, distribution, and consumption of wealth. Three hours, throughout the year. Six hours credit.

2. **Money and Banking.**—A study of the principles of money and banking, the exemplification of those principles in the monetary and banking history of the United States, and the study

of the present day currency, and banking problems in the United States. White's "Money and Banking." Three hours, first semester (1912-13). Three hours credit.

3. **Corporate Industry.**—A study of the history, organization and economic functions of corporations with emphasis upon their relation to our present social order and the problems they present. Three hours, second semester (1912-1913). Three hours credit.

4. **Labor Problems and Legislation.**—The labor problem in relation to modern industry; the rise and growth of labor organizations; the development of collective bargaining; industrial arbitration and conciliation; the principle of state interference in industry. Three hours, second semester (1913-1914). Three hours credit.

5. **Economic History of the United States.**—The economic development of the United States through the colonial era, and the period of the industrial revolution and westward movement with emphasis upon economic integration and industrial organization. Three hours, first semester (1913-1914). Three hours credit.

6. **Ocean and Railway Transportation.**—The development of the ocean traffic and the American railroad from the standpoints of history, charter, privileges, capital, service, passenger, freight, express, and mail; relation to the public, and relation to the state. Three hours, second semester (1913-1914). Three hours credit.

7. **Public Finance.**—The science of public finance; the theory of public expenditure; public income and public debts; the preparation of the budget and financial administration. Three hours, second semester (1913-1914.) Three hours credit.

SOCIOLOGY.

1. **Elements of Sociology.**—A study of the factors that control social life. The origin and development of social insti-

tutions and the forces of social control are considered. Three hours first semester. Three hours credit.

2. Practical Social Problems.—A study of practical social problems met in modern social life. Ellwood's Practical Sociology. Three hours, second semester. Three hours credit.

3. Social Economics.—A general survey of the leading economic, social, and individual causes of social disorder and poverty; methods and principles of modern relief policies; the Charity Organized Society movement, and other current movements for social betterment. Three hours, first semester (1913-1914). Three hours credit.

4. Social Economics.—Continuation of Course 1. Three hours, second semester (1913-14). Three hours credit.

COMMERCE.

1. Accounting.—The construction and interpretation of accounts. This course will review the complicated problems of bookkeeping, and lay a foundation for accountancy study. Balance sheets, statements, reports, etc., will be constructed and carefully analyzed and interpreted. The principles of capital vs. revenue, depreciation, cost, and specialized industry accounting will be emphasized. Four hours, second semester. Four hours credit.

2. Advertising and Selling.—History of advertising. Recent industrial and trade changes affecting advertising and selling. The psychology of advertising; how to influence men; power of argument and suggestion and when to use each. Classes of advertisers and their aims. The essentials of selling; securing attention, getting interest, creating desire and inspiring resolve. The law of sale; the advertising agency; types; mediums; color schemes; trade marks; copyrights; advertising technique, etc. Practice work interspersed. Four hours, first semester. Four hours credit.

3. Insurance.—(a). Life Insurance. Including lectures and

discussions on the economic place of life insurance and its relation to society; essentials of life insurance administration; calculation of life premiums; the agency system; life insurance investments; lapse and reinstatement; industrial, assessment, and fraternal life insurance; state supervision of insurance companies.

(b) **Property Insurance.** Historical study of fire insurance in the United States; standard fire insurance policy; rates and schedule rating in fire insurance; fire prevention; marine insurance; accident and liability insurance. The work will be supplemented by policy forms, etc., of all important companies. Four hours, second semester. Four hours credit.

THE DEPARTMENT OF BIBLICAL HISTORY AND LITERATURE.

Professor Christenson.

1. Israel and Surrounding Nations.—This course takes up the history of Israel in its relation to events, activities and general movements in the life and struggles of surrounding nations. Its purpose is to illustrate and amplify the history of Israel as given in the Old Testament from the records and monuments of her neighbors. Three hours throughout the year. Six hours credit. (Not given in 1912-1913.)

2. The Ancient Civilizations.—A study of the laws, social and industrial systems, governments, arts, religions, and growing culture of the ancient oriental world. Special attention is given to the civilization of Babylon, Assyria, Persia, Egypt, Arabia and Palestine. Three hours, throughout the year. Six hours credit.

3. Old Testament Literature.—Some of the most important parts of the Old Testament considered from the standpoint of their structure, style and content; of their truth, wisdom and

perennial beauty. The Book of Job, Psalms, Proverbs, Ecclesiastes and selected parts from the Law and Prophets are studied. Two hours throughout the year. Four hours credit.

4. **The History of Religion.**—A research course in the study of comparative religion, with a view of understanding more clearly the origin, growth, diversity and fundamental ideas of the world's great religions. Three hours, throughout the year. Six hours credit. (Not given in 1912-1913.)

5. **Judaism and Christianity.**—This course takes up the history of Christianity, in a general sense, with a study of Judaism, or rather, Hebrewism as an introductory or preliminary course. About six weeks will be devoted to the latter and the remainder of the year to a study of the origin, spread, and influence of Christianity in the world. Two hours, throughout the year. Four hours credit.

DEPARTMENT OF PHYSICS.

Professor Fletcher.

Instructor Eyring.

1. **Elementary Physics.**—Millikan and Gale is used as a text. This course is offered for those who do not present Physics for entrance into college. Prerequisite, Algebra a. Five hours per week throughout the year. Eight hours credit.

2-a. **Mechanics, Molecular, Physics and Heat.**—This course is intended for students who have a general knowledge of science although they may not have had any formal course in Physics. Offered only in the summer semester. Five hours per week. Four hours credit.

2-b. **Electricity, Sound and Light.**—Similar to course 2-a. Offered only during summer semester. Five hours per week. Four hours credit.

3. Mechanics, Molecular Physics and Heat.—A general college course presented mainly from the experimental point of view. Prerequisite, entrance Physics or course 1 and preferably Trigonometry. Five hours per week, first semester. Five hours credit.

4. Electricity, Sound and Light.—A general college course presented mainly from the experimental point of view. Courses 3 and 4 comprise one year's work in general college physics. Prerequisite, course 3. Five hours per week, second semester. Five hours credit.

5. Molecular Physics and Heat.—Kinetic Theory of Gases, theory of Brownian movements, methods of measuring molecular magnitudes, laws of thermodynamics and their application to gases, osmotic pressure, change of state, etc. Prerequisite, Calculus and Physics 3. Five hours per week, first semester. Five hours credit.

6. Experimental Physics—Heat and Molecular Physics.—Measurements of specific heat of gases, density of vapors, viscosity of liquids and gases, high temperatures, depression of the freezing point and raising of the boiling point of different solutions, etc. Prerequisite, course 4. Five two-hour periods per week, second semester. Five hours credit.

7. Electricity and Magnetism.—General principles of magnetism, electro-magnetism, static electricity, direct and alternating currents. J. J. Thompson's "Electricity and Magnetism" will be used for reference in connection with the course. Prerequisite, Calculus and course 4. Five hours per week, second semester. Five hours credit.

8. Experimental Physics, Electricity and Magnetism.—Use of potentiometer, adjustment and use of sensitive galvanometers, calibration of ammeters and voltmeters, accurate measurements of resistances, measurements of earth's magnetic field; absolute measurements of current, potential difference, resistance, capacity; study of direct and alternating current dynamos and motors, study of alternating currents with capacity and inductance in the circuit. Prerequisite, course 4. Five two-hour periods per week. Five hours credit.

9. Optics and Astrophysics.—Geometrical optics, theory of optical instruments, including interferometer echelon, and diffraction grating; Physical Optics, Maxwell's electro-magnetic theory of light. Spectroscopy and its application to astronomical problems. Prerequisite, two years College Physics and Calculus. Five hours, throughout the year. Ten hours credit.

10. Experimental Physics—Light.—The experiments outlined in Mann's "Manual of Advanced Optics" will be performed. Prerequisite, course 4. Five two-hour periods, first semester. Five hours credit.

11. Mechanics and Wave Motion.—Fundamental equations of Mechanics and their application to physical problems, vibration of strings, rods, and plates, sound waves, water waves, light waves and Hertzian waves. Prerequisite, Calculus and course 4. Five hours per week second semester. Five hours credit.

12. Electron Theory.—A course of lectures covering the work of the last ten years on the electrical properties of gases, the electron theory, radioactivity, application of the electron theory to metallic conduction, Seebeck, Peltier, Thompson and Hall effects, to optical phenomena in magnetic fields, etc. Prerequisite, two year's college Physics and Calculus. Five times per week, first semester. Five hours credit.

ASTRONOMY

Professor Fletcher.

1. Descriptive Astronomy.—An elementary course, dealing with fundamental facts, principles and methods. Five times, first semester. Four hours credit.

2. General Astronomy.—This course will be a discussion of the general truths of Astronomy with simple demonstrations. Prerequisite, Physics a or Astronomy a, and Trigonometry.

DEPARTMENT OF CHEMISTRY.

Professor Maw.

1. **General Chemistry. Non-Metals.**—The principles and theories are considered in detail in connection with the non-metals. Three recitations, two laboratory periods, first semester. Five hours credit.

2. **Qualitative Analysis.**—Metals and elementary qualitative analysis. Three recitations, two laboratory and two review and demonstration periods, first or second semester. Five hours credit.

3. **Elementary Quantitative Analysis.**—Training in gravimetric and volumetric methods. Two recitations and eight hours laboratory work, first or second semester. Five hours credit.

4. **Advanced Qualitative Analysis.**—Analysis of minerals and complex cyanides. One recitation, eight hours laboratory work, second semester. Five hours credit.

5. **Mineral Analysis.**—Systematic analysis of representative minerals. Texts: Olsen's "Quantitative Analysis," Fresenius, "Quantitative Analysis," and Low's "Technical Methods of Ore Analysis." One recitation, eight hours laboratory work, first or second semester. Five hours credit.

6. **Wet Assaying.**—It is the aim of the course to give a thorough training in practical methods of wet assaying. A large number of checked samples will be analyzed. Furman's "Practical Assaying," and Low's "Technical Methods of Ore Analysis." One recitation, six hours laboratory work, first or second semester. Three hours credit.

7. **Assaying.**—Open to students who have completed course 2. Six hours laboratory practice, second semester. Three hours credit.

8. **Organic Chemistry.**—The course will take up thoroughly the simpler organic compounds, investigating the chemical behavior, the characteristic reactions and relationships of the different classes of organic compounds. The laboratory work consists in the preparation of the typical carbon compounds. Lectures and recitations three hours a week, two laboratory periods, throughout the year. Ten hours credit.

9. **Water Analysis.**—Two hours credit. Four hours laboratory work, first or second semester.

10. **Food Analysis.**—Two or four hours credit. Four or eight hours laboratory work, first or second semester.

11. **Urine Analysis.**—Two hours credit. Four hours laboratory work, second semester.

12. **Physical Chemistry.**—Two hours credit. Four hours laboratory work, second semester.

13. **Electrolytical Analysis.**—Two hours credit. Four hours laboratory work, second semester.

14. **Independent work in Mineral Analysis.**—Five hours credit. Eight hours laboratory work, first or second semester.

15. **Agricultural Chemistry.**—The aim of this course is to give thorough training in the analysis of soils and agricultural products. Open to students who have completed Chemistry 3. One recitation and eight hours laboratory work, throughout the year. Ten hours credit.

16. **Physiological Chemistry.**—This course is especially designed for those students doing advanced work in domestic science. First a brief survey of the subject of organic chemistry will be taken up, laying special stress on those portions of the subject which bear most directly upon physiological chemistry. The chemistry of nutrition, digestion, absorption, assimilation and excretion will be considered in detail. General elementary chemistry is a prerequisite. Five recitations, two laboratory periods. Five hours credit.

DEPARTMENT OF BIOLOGY.

Professor Rasmussen.

ZOOLOGY.

1. **Introductory Physiology.**—(a) The fundamental structure and properties of living matter. (b) Methods of reproduction. (c) The general principles of human physiology developed by the comparative method. Laboratory work is made the basis of the course. Can be taken by college students who have had no previous training in biology. Two lectures and four hours laboratory work per week, throughout the year. Eight hours credit.

2. **General Zoology.**—A broad survey of the general morphology, physiology, development, and ecological relations of animals, invertebrates and vertebrates, designed as a foundation in the principles and methods of Zoology. Special attention to local forms and problems. Two lectures and two two-hour periods in laboratory or field per week, throughout the year. Eight hours credit.

3. **Animal Histology.**—(a) Histology and Microscopy. The theory and manipulation of the microscope and its accessories. Histological methods; cell formation and differentiation; fundamental tissues. (b) Organology. Systematic study of the organs with reference to nature, forms, and arrangement of the constituent tissues. Two lectures and three laboratory periods per week, first semester. Five hours credit.

4. **Vertebrate Embryology.**—Germ-cells, oogenesis and spermatogenesis, fertilization, types of cleavage and gastrulation. Development of chick to end of fourth day, followed by a systematic study of mammalian embryology, based upon the pig. Two lectures and three laboratory periods per week, second semester. Five hours credit.

5. Entomology.—(a) General insect morphology. First semester. (b) General classification of insects with practice in methods of collection and preservation, and consideration of economic relations. Second semester. Three hours credit each semester.

6. Human Physiology.—An advanced course dealing with the fundamental facts and principles of human physiology. As far as possible, the work is based upon laboratory experimentation and observation. Two lectures and six hours laboratory work per week, throughout the year. Ten hours credit. (This course presupposes some knowledge of biology.)

7. Neurology.—Lectures, reading, and laboratory work upon the gross and microscopic anatomy, the development and physiology of the central nervous system and organs of special sense. Designed especially for students of Psychology. Two lectures and six hours laboratory work per week, second semester. Five hours credit.

8. General Principles of Biology.—Lectures and assigned readings on the general laws and theories of Biology. Fundamental principles of organization and development, nature and origin of sex, the modern theories of heredity and descent, etc. Two lectures per week, throughout the year. Two hours credit each semester.

BOTANY.

1. General Course.—A preliminary discussion of plant cytology and physiology, followed by the study in laboratory and class of series of plants from the principal natural groups from lowest to highest. Three hours per week, throughout the year. Six hours credit. (Not to be given in 1912-1913.)

2. Plant Histology.—A comparative study of tissues and tissue system with training in histological technique. Three hours per week, first semester. Three hours credit. (Not to be given in 1912-1913.)

3. Plant Physiology.—Laboratory and class work upon the physiology of plants. Three hours per week, second semester. Three hours credit. (See Agronomy 4.)

4. Plant Taxonomy.—Laboratory and field work based upon the morphology and systematic relations of local flowering plants. Hours and credit arranged with the professor. (Not to be given in 1912-1913.)

DEPARTMENT OF GEOLOGICAL SCIENCE.

Professor Hinckley.

Assistant Banks.

1. General Geology.—This course aims to give an elementary survey of dynamic, structural, physiographic and historical geology and a brief study of minerals, rocks, and fossils. The course aims also to give the student the extent and nature of the field covered by the study of geology. Excursion and field trips to points illustrating geological processes and forms constitute an important feature of the work. Three hours, throughout the year. Six hours credit.

2. Economic Geology.—This course is open to students having Geology 1. The course deals (1) with the genesis of ore deposits, their occurrence, associations, and tracing by geologic principles; (2) Building and road making materials, and (3) Soils—their nature and origin. Laboratory and field work is an important factor. Four hours, second semester. Four hours credit.

3. Mineralogy.—General course in determinative Mineralogy. Three hours, first semester. Three hours credit.

4. Lithology.—A study of common rocks. Three hours, second semester. Three hours credit.

5. General Study of the Physiography and Geology of Utah.—The material for this course will be taken from the United States Geological Reports. Three hours, second semester. Three hours credit.

Timpanogas Club.—This is an organization of the students in advanced courses in the department of Geological Science for the purpose of out-of-door study of problems of Geology, Physiography, Mineralogy, etc.

DEPARTMENT OF AGRICULTURE.

Professor Merrill.

Professor Smart.

Assistant Professor Vance.

AGRONOMY.

1. **Agriculture for High School Teachers.**—A knowledge of scientific agriculture is often required of teachers of science in the high schools of Utah, and of other states. This course is designed to qualify high school teachers to meet this requirement. It deals with the fundamental principles of the science of agriculture, emphasis being placed on the method of presentation. Three hours per week, throughout the year. Six hours credit.

2. **Soil Physics.**—This course is a detailed study of soils and soil types. It treats of such topics as origin and formation of soil, chemical and physical composition and the relation of those to crop production; soil moisture, the biology of the soil; maintaining and increasing soil fertility. The laboratory work will consist of field trips, soil judging, and the making of a physical analysis of a certain type of soil, in which the student is most interested. Text, "Lyon's Soils." Two hours class room and a two-hour laboratory period, throughout the year. Six hours credit.

3. **Thremmatology.**—In this course the principles and practices involved in the improvement of domesticated plants and animals are studied. Such topics as variation, courses of variation, selection, correlation, heredity, prepotency, Mendel's law of hybrids, etc., are considered. The laboratory exercises consist of grafting, budding, crossing of strawberries, wheat, oats, etc. Text, Davenport's Principles of Breeding. Two hours, throughout the year Four hours credit.

4. **Agricultural Botany.**—This is essentially a course in Plant Physiology with special reference to agricultural plants. The structure, function, and response of plant organs will be the subject matter of the course. Four hours, second semester. Four hours credit.

5. **Investigation.**—Students who are qualified and have a desire to do some investigation work will have the opportunity of doing so. Facilities will be provided either on the field or in the laboratory for such work. The kind and amount of credit will be determined by the grade and amount of work done.

HORTICULTURE.

1. **Economic Entomology.**—This course is a study of the life history and methods of combating destructive insects. Three hours, throughout the year. Six hours credit.

2. **Pomology.**—This course deals with the theory and practice of fruit growing. Such topics are considered as the selection of the orchard site with reference to exposure, soil, market, and climatic conditions; selection of varieties for home and market uses; the nursery stock; laying out and planting the orchard; care and management; picking and marketing fruit. Text, "Fruit Growing in Arid Regions," Paddock and Whipple. Two hours throughout the year. Four hours credit.

3. **Plant Pathology.**—In this course such topics as factors in disease; health and disease; cause, nature, and symptoms of disease; epidemics, etc., are considered. In the laboratory, a careful study is made of rusts, smuts, mildews, and blight. Five hours, second semester. Five hours credit.

ANIMAL HUSBANDRY.

1. **Animal Nutrition.**—This course deals with the general principles which underlie the proper methods of feeding and management of all classes of live stock. The common foods given to stock will be studied, as to their composition and nutritive value and how both are affected by maturity and curing. Calculating rations for the various classes of farm animals under

various conditions. Text, "Feeds and Feeding," by Henry. Four hours, second semester. Four hours credit.

2. Veterinary Science.—In this course the common ailments and diseases of farm animals are discussed. Contagious diseases are taken up in detail with special reference to their cause and prevention. Sanitary Science is a prominent feature in this course. The student is made familiar with the methods of examination for soundness both in class room and in actual demonstration. Two hours recitation and one clinical period per week, throughout the year. Six hours credit.

DEPARTMENT OF CORRELATED ARTS.

Professor Eastmond.
Professor May Ward.
Assistant Professor Campbell.
Assistant Professor Elliott.
Assistant Professor Harris.
Instructor Huish.
Instructor Larson.
Instructor Evert.

FINE ART COURSES.

PICTORIAL ART.

1. Composition and Representation.—General object-drawing, advanced. Cast drawing. Study of line, dark and light, and principles of picture making. Emphasis placed upon aesthetic expression in representation. Three hours, first semester. Three hours credit.

2. Composition and Representation.—Life drawing. Study of anatomy, applied. Required, Pictorial Art 1. Three hours, second semester. Three hours credit.

3. **Water Color Painting.**—General landscape and still-life representation. Composition. Study of harmony, etc. Three hours, first semester. Three hours credit.

4. **Water Color Painting.**—Continuation of 3. Three hours, second semester. Three hours credit.

5. **Illustration.**—Study of the reproduction of illustrations, printing plates, mediums, etc. Pose drawing. Composition. Practical illustration work. Three hours, first semester. Three hours credit.

6. **Illustration.**—Continuation of 5. Three hours, second semester. Three hours credit.

7. **Oil Painting.**—Objective and subjective landscape. Composition and color study continued. Portraiture and general figure work. Required, Pictorial Art 1. Three hours, first semester. Three hours credit.

8. **Oil Painting.**—Continuation of 7. Classic painting and illustration. Study of naturalism and impressionism. Required, Pictorial Art 2. Three hours, second semester. Three hours credit.

Note.—Courses 3, 4, 5, 6, 7, and 8 may be given as studio work.

STUDIO WORK.

Outlines of work and other instructions will be given by the director of the department. Special attention is given to individual needs. The student on entering the studio, of course, pledges earnest work and mutual consideration. The opportunities are many for the gaining of knowledge concerning art. The general criticism method is used. Hours of credit arranged with instructor.

HISTORY OF ART.

1. **Study and Application.**—Historic development and formative influences. Religion and Art. Primitive Art. A consideration of the Pre-Greek (Egyptian, Chaldaeo-Assyrian and

Phoenician), Jewish, Pre-historic American (Aztec, etc.), Greek, Roman, Pompeian, Byzantine Saracenic, and Romanesque. Illustrative charts will be made for practical use and appropriate work introduced as a means of participation. (Students may apply the historic principles to their major line of art.) Two hours, first semester. Three hours credit.

2. Study and Application.—Continuation of 1. A consideration of Gothic and the prominent divisions of the Renaissance and modern art. Chart and application work as in 1. Two hours, second semester. Three hours credit.

COURSES IN APPLIED ART.

1. Theory and Application.—Continued study of historic styles. Creative designs. The study of form, line, and color from a psychological point of view. Applied decoration consisting of mural design and application—study of free-hand decoration, stenciling, etc. Crafts work appropriate to library center or adapted through special need. Three hours, first semester. Two hours credit.

2. Theory and Application.—Continuation of 1. Book of Mormon correlative work. Correlation of Home Decoration, Drafting, Woodwork, Ironwork, Art-needlework, etc. Three hours, second semester. Two hours credit.

3. Mural Painting, Scenery Painting.—Pictorial composition—applied. Study of design influence. Theory of color and form—applied. Applied perspective. Practical experimental work. Study of materials and mediums. Three hours, first semester. Two hours credit.

4. Mural Painting, Scenery Painting.—Continuation of 3. Emphasis on practical application work. Three hours, second semester. Two hours credit.

CRAFTS-WORK.

Outlines of work and other instructions will be given by the director of the department. Special attention is given to indi-

vidual needs. The student on entering the studio, of course, pledges earnest work and mutual consideration. The opportunities are many for the gaining of knowledge concerning training in the various lines of crafts work, such as wood carving, pyrography, fabric staining and printing, leather modeling and carving, advanced basketry, etc. The general criticism method is used. Fees and hours of credit arranged with the director. Required, Applied Art 1. First or second semester.

ART NEEDLE WORK.

1. French-laid Work and Mount Mellick Embroidery.—Study of characteristic designs and adaptations. Color study. Required, Domestic Art and Design a of the High School. Two hours, first semester. Two hours credit.

2. Continuation of Course 1.—Roman cut-work. Design and color application continued. Two hours, second semester. Two hours credit.

3. Tatting, Carrickma Cross and Limerick Lace.—Design and color application. Courses 1 and 2 required. Two hours, first semester. Two hours credit.

4. Shaded Embroidery.—Design application. Required, four courses in Drawing, Design a and Domestic Art g of the High School. Two hours, second semester. Two hours credit.

Note.—Art needle work 1, 2, 3, and 4 may be given as Crafts work.

DRESSMAKING.

The courses are designed to fit young women for home work, and incidentally for professional work. The designing of dresses is studied from an artistic point of view, giving the opportunity to use originality, good judgment, and taste in adapting fashions to the form. The student is required to study physiology and physical culture as a means of understanding that the costume should be fitted to the well-developed, well-proportioned form, and not the form fitted to the costume.

1. **Pattern Drafting.**—Tailor-made shirt-waist suits. Designing and making of fine muslin or silk one-pieced dresses made on shirt-waist draft. Two hours recitation, eight hours laboratory work, first semester. Four hours credit.

2. **Pattern Drafting.**—Continuation of course 1. Two hours recitation, eight hours laboratory work, second semester. Four hours credit.

3. **Pattern Drafting and Models.**—Making of tight-fitting lined dresses. Princess slips. One-pieced dresses. Two hours, recitation, eight hours laboratory work, first semester. Four hours credit.

4. **Pattern Drafting and Models.**—Continuation of course 3. Two hours recitation, and eight hours laboratory work, second semester. Four hours credit.

SHOP WORK.

In this department work is done for the public as in regular establishments. Advanced students may do some of this outside work under the supervision of the teacher and may receive remuneration. Credit is given according to the number of hours put in by student.

COURSES IN MANUAL ARTS.

DRAFTING.

1. **Descriptive Geometry.**—Problems relating to the point, line, and plane. Surfaces of revolution. Intersection and development of solids. Shades and shadows, especially planned to develop the mental concept. Three hours recitation and two hours drawing. Required, Geometry c, Drafting b, and preferably, Mathematics 1. Five hours credit.

2. **Architectural Drawing.**—Study of the ancient and modern styles of architecture. Principles of perspective, line, and wash rendering. Three hours, first semester. Two hours credit.

3. Architectural Drawing.—Continuation of 2. Invention of design. Drawing fences, outbuildings, plans of grounds, stores, bridges, dwellings, etc., and a finished drawing. Three hours, second semester. Two hours credit.

2a. Machine Drawing.—Detail of parts of machines drawn to scale. Designing simple parts of machines. Patent office drawings. Three hours, first semester. Two hours credit.

3a. Machine Drawing.—Students will design machines complete. Drawings will be made of all details, care being used to make them as they would be where actual building follows the designing. Three hours, second semester. Two hours credit.

Note.—The above courses are correlated with Applied Art.

WOODWORK.

1. Advanced.—Harmony and proportion, plain stair-building, and a general line of practical exercises with instruction in the designing, construction, and finishing of high-grade cabinet work, also sash and door work and joinery. Course d of the High School required, also Design a. Eight hours work, throughout the year. Four hours credit.

2. Advanced. Theory of building from drawings with practical illustration in roof-building, in plain and complicated forms, and a general line of carpenter work. Architectural drawing required before completing the course. Eight hours work each week, throughout the year. Four hours credit.

3. Advanced.—General problems in framing. Selection of materials. Laying out work and supervising construction. Shops and buildings will be visited and studied. Four hours, first and second semesters. Two hours credit.

Shop Work.—Under the direction of the teacher, students may receive credit for advanced work done.

IRONWORK.

1. Tool and Machine Construction.—Tempering in connection with tools and machine construction. Advanced work in forging, lathe work and steel work. Finishing. Required, Drafting 1 or 2a. Six hours, first semester. Three hours credit.

2. Machine Construction, continued.—Continuation of 1. Practical ironwork in connection with vehicles. Correlation work of iron and other materials. Welding, advanced. Required, Drafting 2a or 3a. Six hours, second semester. Three hours credit.

Shop Work.—Under the direction of the teacher students may receive credit for advanced work done.

DOMESTIC SCIENCE.

1. Bacteriology.—A study of bacteria, yeasts and molds and their relation to home problems. Two two-hour laboratory and one recitation period per week, first semester. Three hours credit.

2. Home Architecture and Sanitation.—This course considers the historic development of the modern home; different types of dwellings; the hygienic requisites in the location, surroundings and construction of the house, its fixtures and care; and gives practice in house planning. Three hours, first semester. Prerequisite or parallel, Bacteriology.

3. Home Decoration.—(See Applied Art 2.) A study of the history of furniture; the theory of color and its application in house decoration; and of interior finish and furnishing from an artistic, economic and sanitary standpoint. Three hours, second semester.

4. Physiological Chemistry.—The chemistry of cellular nutrition, including foods, digestion, absorption, assimilation, and the tissues and excretions. Two two-hour laboratory and three recitation periods per week, throughout the year. Ten hours credit. Prerequisites; Human Physiology and General Chemistry. Or second semester, five hours credit, prerequisites: Human Physiology and one semester of Organic Chemistry.

5. Food Materials.—A study of the production, manufacture, chemical composition, preservation, adulteration, and economic value of food materials. Three hours, first semester. Three hours credit.

6. Dietetics.—This course aims to present the fundamental principles of human nutrition and to apply them to the feeding of individuals and groups under the varying physiological, social and economic conditions. It considers modern dietary standards, and typical dietaries for families of different incomes, for infants and children, for the aged, and for such pathological conditions as are chiefly dependent upon dietary treatment; and gives practice in the construction of dietaries for these various conditions. Two two-hour laboratory and two recitation periods per week, second semester. Four hours credit. Prerequisites: Physiological Chemistry and Domestic Science d.

SUPERVISION COURSES.

Note.—For work in the following courses credit may be given in the Department of Education.

1. Psychology and Method.—Educational ideals. Study of the possibilities of art training and the various phases of manual arts, Manual training, Domestic Art, Domestic Science, etc., in western schools—qualified by actual experience of teaching. Consideration of the work of the kindergarten, primary grades, grammar grades, high school, and college. Practical courses and materials. Actual experiment work with pupils. Study of arts and manual training correlation. Text books used: "Mind and Hand," by Chas. H. Ham. Two hours, first semester. Two hours credit.

2. Experimental Cookery.—This course presents the principles and processes of cooking, sources of information, and demonstration cookery from the standpoint of the student preparing to teach Domestic Science. Two two-hour laboratory and two recitation periods per week, throughout the year. Eight hours credit. Prerequisites: Domestic Science d, Supervision 1.

3. Teaching of Domestic Science.—A consideration of the purpose and its relation to other studies, and of existing courses in Domestic Science. Practice in planning school equipments and courses of study and in the preparation and presentation of lessons is afforded. Two hours a week, throughout the year.

Four hours credit. Prerequisites: Experimental cookery, Psychology 1, Supervision 1. Education 5 and 6 recommended as a parallel course.

4. Supervision Training.—The planning of courses of study. Actual training with classes of various grades. Subdivisions will be necessarily made and students will be given work with teachers of various subjects; viz., Fine and Applied Arts, Domestic Science, Domestic Arts, Woodwork, Ironwork, Drafting, etc. Time and credits arranged with the major professor.

DEPARTMENT OF MUSIC.

Professor Lund.

Assistant Professor Reid.

Assistant Professor Johnson.

Assistant Professor Gudmundson.

Assistant Professor Sauer.

Students who make piano their major will be required to perform publicly at least one concerto in the grade of Beethoven 1st, Mozart D Minor, Moscheles 3rd, Mendelssohn G Minor.

Students making vocal music their major will be required to render publicly standard arias from opera and oratorio as well as difficult songs from the best living composers.

Students making Violin their major will be required to render concertos from Rode, Mozart, Spohr in addition to difficult modern compositions.

1. Harmonic Analysis.—Two hours per week throughout the year. Five hours credit for year's work.

2. Composition.—Two hours per week throughout the year. Five hours credit for year's work.

3. **Criticism and Interpretation.**—Two hours per week, throughout the year. Five hours credit for year's work.

4. **Directing and Supervising.**—Two hours per week, throughout the year. Five hours credit for year's work.

5. **Opera.**—Five hours per week second semester. Five hours credit.

DEPARTMENT OF PHYSICAL EDUCATION.

Director Roberts.

Instructor Camp.

A thorough physical examination and measurement is offered each student yearly, and a record of results is kept as a basis of advice as to exercise and regimen. All students requiring special care are assigned exercises according to their individual needs.

The athletic field is one of the largest and best situated in the West. It lies upon Temple hill overlooking the entire valley and lake, and receives directly invigorating breezes from the nearby canyons. The grounds contain thirty acres, including a quarter mile track, base ball and association foot ball grounds and two tennis courts. Each member of the University is encouraged to engage in some form of out-of-door sports or games, and special training will be given those who desire to fit themselves for field and track events.

PHYSICAL TRAINING.

1. (For men). Elementary freehand, dumb-bell, Indian and wand drills. Heavy apparatus work, marching tactics, games, relays, gymnastic dancing, and Swedish gymnastics. Three hours, throughout the year.

1. (For women). Elementary gymnastics, aesthetic dancing, talks on personal hygiene, etc. Three hours, throughout the year.

2. (For men. Advanced, American, Swedish, and general gymnasium work. Three hours, throughout the year.

2. (For women. Advanced German, American, Swedish, aesthetic dancing, and general gymnasium work. Three hours throughout the year.

3. (For men and women together). Social, folk, and colonial dancing; fancy steps, marching, games, and plays for boys and girls. One hour throughout the year.

4. **Coaching for Men.** This course will include instruction in proper methods of conditioning men for athletic work, the best method and form in all the athletic field and track sports, scientific wrestling, boxing, and fencing. In connection with this a course in basket-ball coaching will be given, which will prepare students to take charge of basket-ball coaching in high schools and colleges. Five hours per week throughout the year.

5. **Theory and Practice of Physical Education.**—School hygiene, sanitation, first aid, physical examination, medical inspection, play, play-ground, athletics, etc. Two hours per week throughout the year.

The Normal School.

The Normal school provides for the technical and professional preparation of principals and teachers for public schools. The Church Normal Training school, which is established in connection with the University, furnishes an opportunity for graduates of the secondary schools to make practical application of the principles of education, methods of teaching, and school government. Students who wish to specialize in any subject and prepare themselves for supervisors will be assigned additional work under special teachers. When they have completed the required work in the special subjects, it will be designated on their diplomas.

Provisions are made for a fifth year, or professional course, for persons who have completed a four-year high school course, or its equivalent. The teachers of this course will be professors of the college and the work in the main taken in the college, and may be used towards graduation from the college. Upon the completion of this professional year's work the student will graduate as a fifth year normal, and be granted a special diploma.

ENTRANCE REQUIREMENTS.

Applicants for admission to the Normal school must have completed at least 12 units of credit of high school grade which must include English 3 units, mathematics 1 unit, science 2 units, history 1 unit. This standing may be obtained by examination or by presenting credits from an approved high school.

GRADUATION.

Sixteen units of credit are required of all graduates which must include, besides those required for entrance, Education

2½ units, Sociology ½ unit. Those who have completed a four-year high school course and twenty hours of college work will be granted a special diploma. This diploma represents the amount of credit required by the State Board of Education for a state certificate.

Those who desire to specialize in Kindergarten and lower grade work, and elect the work in the Kindergarten department, will be granted a Kindergarten Normal diploma.

For statement of units of credit and number of recitations per week, see tabulated list in the High school division of this catalogue page 76.

COURSES IN EDUCATION.

Professor Brown.
Professor Schumaker.
Professor Swenson.
Professor Eastmond.
Professor Merrill.
Assistant Professor Dusenberry.
Instructor Young.
Instructor Larson.

PSYCHOLOGY.

a. Elementary Psychology.—A study of the fundamental intellectual processes and their physiological expression. The office of the teacher in stimulating mental activity. Lectures supplemented with practical observations, introspection, and tests. Five recitations, first semester. One-half unit.

THEORY OF TEACHING.

a. Evolution of Methods.—This course deals with the aim and scope of education. The growth of educational ideals and systems as expressed by ancient and modern educators. A spe-

cial study of modern ideals and practical school-room methods used in working them out. Relationship of educational factors, home, school, church, press, society. Lectures supplemented by individual research. Five recitations, second semester. One-half unit.

b. Methods.—Discussion of the educational value of the subjects of study. Methods studied from the standpoint of psychology. Students will prepare plans of recitation and outlines of studies. Discussion of school management, including organization, regulation; rewards, punishments recreation. Three recitations throughout the year. One-half unit.

TRAINING.

a. Class Work.—This course is taken in connection with Course b in methods, which lays the foundation for practice work. Students will prepare plans of recitation, subject to the criticism of the critic teacher and training supervisor; will teach three hours each week under observation. Subsequently they will meet in critic class, to discuss failures and successes. Students will receive suggestive plans, outlines, stories, poems, songs, gems, and practice in the art of story telling. Four recitations, first semester. One-half unit.

b. Department Supervision.—Much of the work of course a will be continued, varied, by subject matter and grades. In addition the student will be given opportunity to correlate and control the work of an entire grade. Four recitations, second semester. One-half unit.

KINDERGARTEN WORK.

a. Gifts and Occupations.—A consideration of selected and connected play material which keep within the realm of the child's experience. One-fourth unit of credit.

b. Department Supervision.—Much of the work of course a will be continued, varied by subject matter and grades. In addition the student will be given opportunity to correlate and

control the work of an entire grade. Second semester. One-fourth unit.

c. **Stories.**—This course gives a general survey of appropriate literature for children, and a classification of this literature for purposes of reference is worked out. One-fourth unit.

d. **Froebel's Child Study.**—Lectures and comparisons with present day plays of children. A specific study of the child and child nature in connection with his daily activities. One-fourth unit.

e. **The Kindergarten Program.**—Lectures, discussions, and reports. A determination of the Kindergarten program through study of the child's interests and activities. Gifts, occupations, songs and stories. One-fourth unit.

SUNDAY SCHOOL KINDERGARTEN COURSE.

For the benefit of Sunday School Kindergarten workers, a special course of ten weeks in this work will be given at the suggestion of the Deseret Sunday School Union Board.

The instruction will include both the method and matter of Kindergarten work as adapted to the needs of Latter-day Saint Sunday Schools. The best Kindergartners available for this work will be secured and details as to the dates of beginning the course will be duly announced.

NORMAL DRAWING.

a. **Form Study.**—Composition in line, in dark and light, modeling clay. Brush drawings, leaves, flowers, fruit, applied in pictorial composition and in design. Object drawing. Practical blackboard drawing. Circular perspective, light, shade, and distance represented in line, form, tone and atmosphere. Object sketching; motives for landscape illustration. Illustrative sketching. Lettering. Practical method work. Three hours throughout the year. One-half unit.

NORMAL MANUAL TRAINING.

a. Correlative Handicraft for Primary Grades.—Paper work, tag-board construction, straw-board construction. Clay work emphasized. Braiding, plaiting, weaving, and other lines of textile work. Practical method work. Basketry. Design a is recommended as a parallel course. Three hours throughout the year. One-fourth unit.

b. Correlative Handicraft for Grammar Grades.—Clay work, drawing, bench work. Elementary metal work. Basketry (native material). Practical method work. Design a is recommended as a parallel course. Three hours throughout the year. One-fourth unit.

b2. Correlative Domestic Art for Grammar Grades.—Construction Sewing, Art needle work, Creative design, applied. Three hours throughout the year. One-half unit.

NATURE STUDY.

a. This course covers in a general way some of the fundamental principles in the sciences that are necessary for the successful teaching of nature study in the grades. Three hours, throughout the year. One-half unit.

SOCIOLOGY.

a. Elementary Sociology.—Deals with the origin, natural history, and anatomy of a society. Three hours, first semester. One-fourth unit.

b. Elementary Sociology.—Social Psychology and pathology. Topics and assigned reading. Small and Vincent's "Introduction to the Study of Sociology." Three hours, second semester. One-fourth unit.

AGRICULTURE.

a. Agricultural Bacteriology.—This course is designed especially for grade school teachers and deals with bacteria of the air, soil, and water in their relation to health and disease as

well as of the various activities of rural life. Three hours, first semester. One-fourth unit.

b. Agriculture for Grade Teachers.—This course is designed for fourth year normals, and deals with the fundamental principles of Agriculture. The materials suited to the grade school are arranged and outlined by the students preparatory to presentation. The school garden will be an important feature of the spring work. This course is for both men and women. Three hours, second semester. One-fourth unit.

The High School.

As the College of the Brigham Young University has evolved step by step through the grades of a preparatory school it has necessarily left a well developed, well equipped high school, with the following departments:

Academic department.

Commercial department.

Music department.

Arts and Manual Training department.

Agricultural department.

COURSES AND CREDITS.

A unit of credit, as outlined below, stands for the equivalent of one 45 minute period of recitation each day throughout the school year. In courses where the number of periods of recitation is greater or less than this, the periods of preparation are lengthened or shortened, so as to compensate. No credit will be given or recorded for work amounting to less than $\frac{1}{4}$ unit. The courses in the following tables are arranged according to years, but if the student has the prerequisites, he may elect from any one of the four years. While each student will be required to register in one of the five departments, he may elect courses from other departments to make up the requisite amount of work. Students from other departments will be required to pay extra for courses in the Commercial department. Courses go throughout the year unless the semester is stated.

FIRST YEAR.

Academic Courses:	<i>Recitations per week.</i>	<i>Units of Credit.</i>
Algebra a	5	1
English a, b.....	5	1
English h	2	$\frac{1}{2}$
French a	5	1
German a	5	1
Latin a	5	1
Physical Education a.....	3	$\frac{1}{4}$
Physiography a	2	$\frac{3}{4}$
Theology a, b.....	4	$\frac{1}{2}$
Commercial Courses:		
Bookkeeping a, b.....	5	1
Bookkeeping a-1 (second semester).....	5	$\frac{1}{2}$
Commercial Arithmetic a, b.....	5	1
Penmanship a (first semester).....	5	$\frac{1}{4}$
Typewriting a	5	$\frac{1}{2}$
Courses in Music:		
Band Music a.....	5	$\frac{1}{2}$
Orchestra a	5	$\frac{1}{2}$
Singing a, b.....	4	$\frac{1}{2}$
Courses in Arts and Manual Training:		
Design a	3	$\frac{3}{4}$
Domestic Art a.....	5	$\frac{1}{2}$
Domestic Science a.....	4	$\frac{1}{2}$
Drawing a	3	$\frac{1}{2}$
Ironwork a	4	1
Woodwork a	5	$\frac{1}{2}$
Courses in Agriculture:		
Agriculture a, (first semester).....	5	$\frac{1}{2}$
Horticulture a, (second semester).....	5	$\frac{1}{2}$
Animal Husbandry a, b.....	3	$\frac{3}{4}$

SECOND YEAR.

		<i>Recitations</i>	<i>Units of</i>
Academic Courses:	<i>Prerequisites</i>	<i>per week</i>	<i>Credit</i>
English c, d.....	English a, b	5	1
English i		2	$\frac{1}{2}$
French b		5	1
Geometry a.....	Algebra a.....	5	1
German b		4	1
History a, b.....		5	1
Latin b		5	1
Physical Education a.....		3	$\frac{1}{4}$
Physical Education b.....		3	$\frac{1}{4}$
Physical Education c.....		1	
Theology c, d.....		4	$\frac{1}{2}$
Commercial Courses:			
Advertising a, (second semester).....		5	$\frac{1}{2}$
Bookkeeping c, d.....		5	1
Correspondence a, (second semester).....		3	$\frac{1}{2}$
Typewriting b		5	$\frac{1}{2}$
Courses in Music:			
Band Music b.....		4	$\frac{1}{2}$
Orchestra b		4	$\frac{1}{2}$
Singing c, d.....		4	$\frac{1}{2}$
Courses in Arts and Manual Training:			
Design b-1		3	$\frac{1}{2}$
Design b-2		3	$\frac{1}{2}$
Domestic Art b.....		5	$\frac{1}{2}$
Domestic Science b.....		5	1
Drawing b		3	$\frac{1}{2}$
Drafting a		3	$\frac{1}{2}$
Dressmaking a.....	Domestic Art a.....	4	$\frac{3}{4}$
Ironwork b or b-2.....		4	1
Woodwork b		5	$\frac{1}{2}$
Courses in Agriculture:			
Agriculture c, (Farm Mechanics).....		4	$\frac{1}{2}$
Animal Husbandry c, d.....		3	$\frac{3}{4}$
Horticulture b		2	$\frac{1}{2}$

THIRD YEAR.

Academic Courses:		<i>Prerequisites</i>	<i>Recitations per week</i>	<i>Units of Credit.</i>
Algebra b, (second semester).....			5	$\frac{1}{2}$
Botany a			3	$\frac{3}{4}$
Chemistry a-1, (first semester).....			5	$\frac{1}{2}$
Chemistry a			5	1
English e.....	English c, d.....		4	1
French c			5	1
Geometry b, (solid, first semester).....	Geometry a		5	$\frac{1}{2}$
German c			5	1
History c, d.....			4	1
Latin a			5	1
Physical Education a.....			3	$\frac{1}{4}$
Physical Education b.....			3	$\frac{1}{4}$
Physical Education c.....			1	
Physics a.....	Algebra a.....		5	1
Theology e, f.....			4	$\frac{1}{2}$
Commercial Courses:				
Civics a			2	$\frac{1}{2}$
Commercial Design a.....			3	$\frac{1}{2}$
Law a			2	$\frac{1}{2}$
Law b			1	$\frac{1}{4}$
Shorthand a			5	1
Courses in Music:				
Band c			4	$\frac{1}{2}$
Harmony a, b.....			2	$\frac{1}{2}$
Singing e			4	$\frac{1}{2}$
Solfeggio a			2	$\frac{1}{2}$
Theory of Music a, (first semester).....			2	$\frac{1}{4}$
Courses in Arts and Manual Training:				
Domestic Art c.....	Design a.....		4	$\frac{1}{2}$
Domestic Science c.....			4	1
Drafting b			3	$\frac{1}{2}$
Drawing c			3	$\frac{1}{2}$
Dressmaking b.....	Design a.....		4	$\frac{3}{4}$
Ironwork c, (Farm Mechanics).....			4	$\frac{1}{2}$
Woodwork c.....	Design a.....		5	$\frac{1}{2}$

TABLE OF CREDITS.

79

	<i>Prerequisites.</i>	<i>Recitations per week</i>	<i>Units of Credit.</i>
Courses in Agriculture:			
Agronomy a, (Soil Physics).....		3	$\frac{3}{4}$
Agronomy b, (Field Crops, first semester)...		5	$\frac{1}{2}$
Animal Husbandry e.....		2	$\frac{1}{4}$
Animal Husbandry f.....		3	$\frac{3}{4}$
Horticulture c, (Economic Entomology)....		3	$\frac{1}{2}$
Normal Courses:			
Kindergarten Theory a, b, c.....		5	1
Normal Drawing a.....		3	$\frac{1}{2}$
Normal Manual Training a, b.....		3	$\frac{1}{2}$
Normal Manual Training b-2.....		3	$\frac{1}{4}$
Theory a (second semester).....		5	$\frac{1}{2}$

FOURTH YEAR.

Academic Courses:	<i>Prerequisites</i>	<i>Recitations per week</i>	<i>Units of Credit.</i>
Astronomy a, (first semester).....		5	$\frac{1}{2}$
English g.....English d.....		4	1
Geology a		4	1
History and Civics e, f.....		4	1
History g, h.....		4	1
Latin b		5	1
Physical Education a.....		3	$\frac{1}{4}$
Physical Education b.....		3	$\frac{1}{4}$
Physical Education c.....		1	
Physiography b		3	1
Physiology a.....Chemistry a-1.....		5	1
Surveying a, (second semester).....Trigonometry		5	$\frac{1}{2}$
Theology g, h.....		4	$\frac{1}{2}$
Trigonometry a, (first semester).....Geometry a.....		5	$\frac{1}{2}$
Commercial Courses:			
Accounting a, (second semester).....		4	$\frac{1}{2}$
Advertising a, (first semester).....		4	$\frac{1}{2}$
Commercial Geography a.....		3	$\frac{1}{2}$
Commercial Design b.....		3	$\frac{3}{4}$
Economics a		3	1
Insurance, (second semester).....		4	$\frac{1}{2}$
Shorthand b		5	1
Courses in Music:			
Harmony c, d.....		2	$\frac{1}{2}$
Music History		1	$\frac{1}{4}$
Public School Music a.....		2	$\frac{1}{2}$
Singing f		4	$\frac{1}{2}$
Solfeggio b		2	$\frac{1}{2}$
Theory of Music, (second semester).....		2	$\frac{1}{4}$

Courses in Arts and Manual Training:

	<i>Prerequisites.</i>	<i>Recitations per week</i>	<i>Units of Credit.</i>
Domestic Art d	Design a, b.....	4	$\frac{1}{2}$
Domestic Science d.....		4	1
Drafting b-1.....		3	$\frac{1}{2}$
Drafting c		2	$\frac{1}{2}$
Drawing d		3	$\frac{1}{2}$
Woodwork d	Drafting a.....	5	$\frac{1}{2}$

Courses in Agriculture:

Agronomy c, (Thremmatology).....	2	$\frac{1}{2}$
Agronomy d	5	$\frac{1}{2}$
Agronomy e	5	$\frac{1}{2}$
Agriculture b, (for Grade Teachers, second semester)	3	$\frac{1}{4}$
Animal Husbandry g.....	5	$\frac{1}{2}$
Horticulture d, (Plant Pathology, second semester)	5	$\frac{1}{2}$

Normal Courses:

Kindergarten Theory d, e.....	5	1
Normal Music a.....	1	$\frac{1}{4}$
Sociology a	2	$\frac{1}{2}$
Theory b	3	$\frac{1}{2}$
Training a, b.....Theory a.....	4	1

COURSES IN THEOLOGY.

The courses in theology are based on the standards of the Church of Jesus Christ of Latter-day Saints; viz., the Bible, the Book of Mormon, Doctrine and Covenants, and the Pearl of Great Price. The aim is to give the student a theoretical understanding of the doctrines of the Lord Jesus Christ in the light of the Gospel as set forth by the Latter-day Saints. As far as possible, practical religion is emphasized in order that students may have faith in God and develop a religious character. The theological work is the same in all departments of the high school, and practically all teachers take part in teaching the theology courses offered.

a, b. Book of Mormon.—First and second semesters. Four recitations per week. One-half unit.

c. Life of Christ—as contained in the four Gospels. First semester. Four recitations per week. One-fourth unit.

d. Development of the Gospels During the Apostolic Age—as contained in the Acts of the Apostles, and the Epistles. Second semester. Four recitations per week. One-fourth unit.

e, f. Old Testament.—Studied historically, doctrinally and prophetically. First and second semesters. Four recitations per week. One-half unit.

g, h. Church History and Doctrine.—The history of the latter-day dispensation of the Gospel, as set forth in the new history of the Church, and other publications bearing on the subject. Two weeks will be devoted to the method of keeping and collecting genealogy. First and second semesters. Four recitations per week. One-half unit.

ACADEMIC DEPARTMENT.

The courses in this department are especially designed to prepare students for college. Students who have registered in other departments of the high school should elect their theology, English, mathematics, and such other basic courses as may be thought best from this department. Courses in other departments may be elected with the approval of the head of the department.

ENTRANCE REQUIREMENTS.

Applicants for admission to the Academic department are admitted on certificates of graduation from the eighth grade, or by passing an examination.

GRADUATION.

Sixteen units of credit are required for graduation. The following are prescribed:

English, three units.
Science, two units.
Mathematics, one unit.
History and Civics, one unit.

COURSES IN ENGLISH.

Professor Osmond.
Professor Reynolds.
Professor Whitaker.
Instructor Jensen.
Instructor Camp.
Instructor Boyle.
Instructor Manwaring.
Instructor Jacob.
Assistant McClellan.
Assistant Kelly.

In the following courses in English the aim is to develop

the power of oral and written expression and to cultivate a taste for good literature. Special attention is given to written composition and individual criticism of themes. In the courses in English literature prescribed reading is an important part of the student's preparation.

a, b. Rhetoric and Composition.—Simple exercises in oral and written composition and minor classics. Five hours, throughout the year. One unit.

c, d. Rhetoric and Composition.—Oral and written composition and classics. Five hours throughout the year. One unit.

e, f. Rhetoric and Literature.—Oral and written composition and literature during the first semester. In the second semester a technical course in English grammar will be given. Four hours, throughout the year. One unit credit.

g. Advanced Rhetoric and Composition.—This course deals with the principles of invention, narration, description and argumentation. Four hours, throughout the year. One unit.

h. Oral Expression.—Training in thought-getting from the printed page, and the adequate expression of the same. In this course underlying principles of reading will be studied and by daily platform work given practical application. Voice production, gesture, and other elements of elocutionary training will receive attention. Two recitations per week, throughout the year. One-half unit.

i. Oral Expression.—The instruction will follow the general lines of the work in course h, elaborated. Shakespear's "Julius Caesar" will be interpreted orally. Open to all who have completed course h. Two recitations per week, throughout the year. One-half unit.

COURSE IN HISTORY AND GOVERNMENT.

Professor Jensen.
Instructor Snow.

HISTORY.

a and b. Ancient History.—This course is planned for second year students, and covers the period from the earliest times to the fall of Rome. Four hours, throughout the year. One unit.

c and d. Modern History.—This course is planned for high school students, and covers the period from the fall of Rome until the present time. Four hours, throughout the year. One unit.

e. American History and Civics.—The expansion of England. The settlement and colonization of America, the Revolution, and the formation of the Constitution. This course will emphasize the constitutional development of the American nations. It also includes a critical study of the Constitution and of the political theories of the early American period. Channing's "History of the United States." Four hours, first semester. One-half unit.

f. American History and Civics.—From the adoption of the Constitution until the present, including a discussion of the development of the government and the workings of political parties. Four hours, second semester. One-half unit.

g and h. English History.—This course traces the history of England from the earliest times down to the present. The course should prove of particular value to high school students who register for work dealing with the history and development of English literature. Four hours, throughout the year. One unit.

COURSES IN FOREIGN LANGUAGES.

Professor Christenson.

Professor Whitaker.

Instructor Brimhall.

GERMAN.

a. **Elementary German.**—German questions, and grammatical exercises. At the board, dictation of German questions, and in the class, conversation in German, based for the most part on Hoelzel's pictures. As new words are met, they are associated with the object or the idea they represent. Five hours, throughout the year. One unit.

b. **Intermediate Course.**—Reader, Grammar and selected nineteenth century classics. Synonyms are used extensively to prepare for use of an all-German dictionary, and students are aided in the use of the dictionary. Five hours, throughout the year. One unit.

c. **Advanced German.**—Eighteenth and nineteenth century classics. Direct German composition and reproduction of German stories. Five hours, throughout the year. One unit.

FRENCH.

a. **Elementary French.**—Detail study of phonetics, as far as it may aid the student in acquiring a good pronunciation and accent. Daily conversation and dictation. Five hours, throughout the year. One unit.

b. **Intermediate Course.**—Reader and classics. Five hours, throughout the year. One unit.

c. **Advanced French.**—Nineteenth century classics. French

composition and oral narration. Moliere. Composition and extempore speaking. Five hours, throughout the year. One unit.

LATIN.

a. **Elementary Latin.**—The reading and translation of simple sentences and paragraphs, illustrative of Latin inflections and syntax. The aim of this course is to furnish the student with a working knowledge of elementary Latin grammar, a liberal vocabulary, and ability to understand easy Latin prose. These acquirements fit him to begin the study of Caesar's "De Bello Gallico" in the second year. Five hours, throughout the year. One unit.

b. The reading and translating of anecdotes and parts of Caesar's "De Bello Gallico." In this course the constant application of the principles of grammar learned in the first year, and the continuous strengthening of the vocabulary help to fix the Latin language in the student's mind, and make it a permanent possession. Five hours, throughout the year. One unit.

COURSES IN MATHEMATICS.

Professor W. F. Ward.

Professor Partridge.

Instructor Partridge.

Instructor Eyring.

ALGEBRA.

a. **Elementary Algebra.**—This course is designed for beginners and will include a careful consideration of the subjects treated in Collins "First Course in Algebra." Five hours, throughout the year. One unit.

b. **Elementary Algebra.**—Stone-Mill's "Essentials of Algebra" completed. Required, Algebra a. Five hours, second semester. One-half unit.

GEOMETRY.

a. **Plane Geometry.**—Stone-Mill's "Elementary Geometry." Required, Algebra a. Five hours, throughout the year. One unit.

b. **Solid Geometry.**—Stone-Mill's "Elementary Geometry" completed. Required, Geometry a. Five hours, first semester. One-half unit.

TRIGONOMETRY.

a. **Plane and Spherical Trigonometry.**—Crockett's "Plane and Spherical Trigonometry" complete. Five hours, first semester. One-half unit.

SURVEYING.

a. **Plane Surveying.**—Five hours, second semester. One-half unit.

COURSES IN EARTH SCIENCE.

Professor Hinckley.
Instructor Buss.
Assistant Banks.
Assistant Young.

PHYSIOGRAPHY.

a. **Elementary Physiography.**—This course is introductory

to the study of the natural and physical sciences. It deals with the earth as the home of man. Two recitations and two hours laboratory or field work each week. Throughout the year. Three-fourths unit.

b. Physiography of the United States.—This course is a continuation of course a and is intended especially for normal students as an aid to the better understanding of the principles underlying geography. It deals with the present topography of our country and the agencies which have produced the present conditions. Fairbank's Practical Physiography is used as the text. Three recitations and three hours laboratory or field work each week. Throughout the year. One unit.

COMMERCIAL GEOGRAPHY.

a. Commercial Geography.—This course comprises an analytical study of the World's Commerce. Special attention will be given to the United States, her productions, modes of distribution, her internal trade and foreign commercial relations. The benefits derived from climate, physical conditions, natural resources, etc., will also be considered. Two recitations and one laboratory period per week. One-half unit.

GEOLOGY.

a. Economic Geology.—This course is arranged especially for students of agriculture. It aims first to give a brief survey of general geology; second, the geology and mineralogy of soils including nature, origin, composition, physical and chemical possibilities; third, relation of soils to irrigation, ground water, artesian wells, etc.; fourth, mineral fertilizers; fifth, building and road making materials. Three hours recitation and one laboratory period. Throughout the year. One unit credit.

COURSES IN BIOLOGY.

Professor Rasmussen.

Professor Smart.

PHYSIOLOGY.

a. A general course in animal and human physiology, developed by the comparative method. Laboratory study and experimentation are made the basis of the course. Two recitations, two two-hour laboratory periods per week, throughout the year. One unit. (This is a so-called Zoology-Physiology course.)

BOTANY.

a. Study in laboratory, field, and class, of a series of selected types from all the principal plant groups, with attention to the elementary facts of physiology and to ecology. Two recitations, one two-hour laboratory period per week, throughout the year. Three-fourths unit.

COURSES IN PHYSICAL SCIENCE.

Professor Fletcher.

Instructor Eyring.

PHYSICS.

a. Millikan and Gale's "First Course in Physics" will be used as a text. The student will spend one-half of his time in

the laboratory where he will become acquainted with the physical facts before discussing them in his recitation. Prerequisite, Algebra a. Five two-hour periods, throughout the year. One unit.

ASTRONOMY.

a. Astronomy.—An elementary course, dealing with fundamental facts, principles and methods. The course will be adapted to third and fourth year High School students. Five times per week, first semester. One-half unit.

CHEMISTRY.

a. General Chemistry.—This course consists of three recitations and two hours laboratory work per week, throughout the year. One unit.

a1. General Chemistry.—The fundamental ideas of chemical science will be considered. Special emphasis will be placed on the descriptive and practical side of chemistry. The chemistry of daily life will be constantly referred to. Special attention will be paid to the common poisons and their antidotes; methods of disinfecting rooms, etc. Five recitations and two laboratory periods per week. The laboratory work aims to teach facts by observation, experiment, and induction. One-half unit.

COURSES IN PHYSICAL EDUCATION.

Director Roberts.
Instructor Camp.

A thorough physical examination and measurement is offered each student yearly, and a record of results is kept as a basis of advice as to exercise and regimen. All students requiring special care are assigned exercises according to their individual needs.

The athletic field is one of the largest and best situated in the West. It lies upon Temple hill overlooking the entire valley and lake, and receives directly invigorating breezes from the nearby canyons. The grounds contain thirty acres, including a quarter mile track, base-ball and association foot-ball grounds and two tennis courts. Each member of the University is encouraged to engage in some form of out-of-door sports or games, and special training will be given those who desire to fit themselves for field and track events.

PHYSICAL TRAINING.

a. (For men.) Elementary free-hand, dumb-bell, Indian club, and wand drills. Heavy apparatus work, marching tactics, games, relays, gymnastic dancing, and Swedish gymnastics. Three hours, throughout the year. One-fourth unit.

a. (For women.) Elementary gymnastics, aesthetic dancing, talks on personal hygiene, etc. Three hours, throughout the year. One-fourth unit.

b. (For men.) Advanced German, American, Swedish, and general gymnasium work. Three hours, throughout the year. One-fourth unit.

b. (For women.) Advanced German, American, Swedish, aesthetic dancing, and general gymnasium work. Three hours, throughout the year. One-fourth unit.

c. (For men and women together.) Social, folk, and colonial dancing; fancy steps, marching, games and plays for boys and girls. One hour, throughout the year.

MISSIONARY COURSE.

A course for the preparation of missionaries will be given under the direction and supervision of the general missionary

committee of the Church. Each student will be duly called by the general authorities of the Church, and will take the regular theology and one extra hour in theology each day; and he will also pursue such other studies as are deemed necessary to make him a fair representative of our people abroad.

The only entrance requirement to this course is the proper credentials from the authorities calling the person to this educational mission. The course in a general way will consist of theology, drill in reading and speaking, history, language, correspondence, and conducting meetings.

Students who desire may take any line of work in the institution for which they have a special aptitude and the time. Tuition for the missionary course will be free for the general course. They will, however, pay for courses elected outside of the missionary course.

COMMERCIAL DEPARTMENT.

Today, in order to be in harmony with one's surroundings, one must know something of the forces which are acting in the business world. Labor, Capital, Shipping, Manufacturing, Farming,—everything is being centralized. The choice spots of the country have been used as the developing ground for all this centralization. Rural communities are supplying the centers with raw products, and the cities give us the manufactured article. All this means commercial transactions, and transactions means profit, both to the buyer and the seller.

Whatever your vocation in life, you cannot escape commercialism. Whether you are a farmer, a mechanic, or a professional man you must come into contact with the trade element of modern business. You must sell your crop, your services, or anything you have produced or possess and use the money received therefor, in other commercial transactions. In fact we are beginning to realize that it is not only the producing of utilities that makes us richer or poorer, but also the marketing of them.

ENTRANCE REQUIREMENTS.

Students may enter at any time, though it is better to commence at the beginning of a semester. Applicants for admission are admitted on certificate of graduation from the eighth grade or by passing an examination.

GRADUATION.

Sixteen units of credit are necessary to be graduated from this department. Two units in English, one-half unit in Commercial Law, and one-half unit in Correspondence will be required of all students. Those specializing in Bookkeeping will

be required to furnish three units in Bookkeeping and Commercial Arithmetic, and one-half unit in Economics; and those specializing in Shorthand will be required to furnish two and one-half units in Shorthand and Typewriting.

COURSES.

Students who are not able to take a four-year course, may with profit take one or two years' work, specializing either in Bookkeeping or in Shorthand. If they have the necessary preparation they may complete the Bookkeeping or the Shorthand in one year.

The courses pertaining particularly to the Commercial Department are: Bookkeeping, Commercial Arithmetic, Shorthand, Typewriting, Penmanship, Correspondence, Civics, Commercial Law, Parliamentary Law, Commercial Geography, Economics, Advertising and Selling, Accounting, Commercial Design and Insurance. Besides these, the courses offered in other departments of the University are also open to Commercial students. See schedule of courses page 76.

BOOKKEEPING.

Professor Glade.

Instructor Wanlass.

Instructor Beeley.

The student with no previous training is set to work in the elementary department, where he is given a thorough drill in making book entries for business transactions. He here gains a general knowledge of business forms and usages. After the beginning work in the Theory department, the student is given individual work, and comes in direct contact with his teacher, which enables him to comprehend the subject thoroughly and to be skillful in its application.

a. Science of Accounts.—This study takes up commercial forms and business principles. The work is largely practical; i. e., making out of business papers, opening, posting, closing books, etc. Ten hours, first or second semester. One-half unit.

a-1. Farm Accounting.—The matter of disposition and marketing of crops is as important as their production. This fact is making a great demand for a practical system of cost accounting for farmers. The rapid development of our country renders it imperative that records be kept in which reliable information relative to the expenditures for, as also the incomes from various farms, orchards, herds, etc., may be accessible. The methods of accounting as here offered have been tried, approved and adopted by many successful farmers. Five hours, second semester. One-half unit.

b. Continuation of a.—Each section of the work is carefully graded, and hence becomes more difficult as the students advance. Considerable time is given to work in Voucher Accounting, Manufacturing business, and in Dry-goods bookkeeping, illustrating the divisions of the Ledger. The forms are ideal for the business in which they are used. Ten hours, first or second semester. One-half unit.

c. Business Practice.—In previous courses the student has been the employee of a firm, or a joint owner, and busied himself as the firm's bookkeeper. Here he is the manager and bookkeeper both, and his merchandising genius is shown. His profits indicate his success. Ten hours, first and second semester. One-half unit.

d. (1) Banking.—This work is introduced by a course in theoretical banking designed to illustrate the use of the various books, ticklers, proof sheets, ledgers, etc., followed by actual practice in the school's banking institutions.

(2) Office Work.—The aim of this department of the work is to familiarize the student with various kinds of office work. At one time he is wholesaling goods; at another he is in the real estate business; then he is a freight agent; and so he occu-

pies positions which develop skill and ability and give valuable experience. Ten hours, first or second semester. One-half unit.

ACCOUNTING.

Professor Glade.

a. The Construction and Interpretation of Accounts.—This course will review the complicated problems of Bookkeeping, and lay a foundation for the study of accountancy. Balance sheets, statements, reports, etc., will be constructed and carefully analyzed and interpreted. Capital vs. Revenue, Depreciation, Cost and Specialized Industry Accounting will be emphasized. All should have Economics as a basis for this study, but thorough students who have had practical experience in Bookkeeping may be admitted. College credit may be given for this course. Four hours, second semester. One-half unit.

COMMERCIAL ARITHMETIC.

Instructor Wanlass.

a. Commercial Arithmetic.—Special attention is given to the application of percentage, and practice in rapid calculation. Five hours, first semester. One-half unit.

b. Continuation of a. Special attention is given to interest, true discount, bank discount, commercial paper, partial payments, stocks and bonds, averaging accounts, and partnership settlements. Five hours, second semester. One-half unit.

LAW.

Professor Keeler.
Judge Booth.

Every man should know something of law more for the purpose of keeping out of difficulty than of getting out when in. The student is made acquainted with those features of law that every business man should understand.

a. **Commercial Law.**—Lectures supplemented by textbooks. This study embraces the subjects of contracts, agency, partnerships, corporations, guaranty, sale of goods, commercial paper, real estate, etc. Two hours, throughout the year. One-half unit.

b. **Parliamentary Law.**—Rules governing the proceedings of legislative bodies, societies and public gatherings. One hour, throughout the year. One-fourth unit.

c. **General Law.**—Lectures on the manner of passing laws, proceedings in court, etc. Two hours, first or second semester.

CIVICS.

Professor Keeler.

a. **Civil Government.**—The making of the American government, the state government, and the national government. Two hours, throughout the year. One-half unit.

ECONOMICS.

Professor Swenson.

a and b. **General Principles of Economics**, first semester. **Money and Banking**, second semester. Three hours, throughout the year. One unit. See Economics 1 and 2 in College division of this catalogue.

CORRESPONDENCE.

Professor Holt.

a. The forms and composition of good business letters. Special attention is given to sentence structure, orthography, punctuation and paragraphing; also to systems of filing letters, making of letterpress and carbon copies, and to the modern devices for handling correspondence quickly and effectively. Three hours, second semester. One-half unit.

COMMERCIAL GEOGRAPHY.

Instructor Buss.

a. This course comprises an analytical study of the World's Commerce. Special attention will be given to the United States, her productions, modes of distribution, her internal trade and foreign commercial relations. The benefits derived from climate, physical conditions, natural resources, etc., will also be considered. Two recitations and one hour laboratory per week. One-half unit

COMMERCIAL DESIGN.

Professor Eastmond.

a. **Lettering.**—(Duplicate course of Design c.) Free-hand show card and poster work. Study of historic styles and types. Monograms. Study of materials and mediums. Elementary sign painting. Three hours, throughout the year. Three-fourths unit.

b. **Displaying.**—(Duplicate course of Design d.) Window decoration exterior and interior displaying. Design b continued. Color study applied. Psychology of form, dark and light, and color applied. Three hours throughout the year. Three-fourths unit.

SHORTHAND.

Professor Holt.
Instructor Billings.
Instructor Walker.

a. **Shorthand Principles.**—A careful study of the principles of Shorthand as contained in the *Phonographic Amanuensis*, by Jerome B. Howard. Five hours, throughout the year. One unit.

b. **Dictation.**—Writing from dictation, and making transcripts upon the typewriter. The ability to do neat, accurate and rapid work is required. Five hours, throughout the year. One unit.

TYPEWRITING.

Instructor Billings.**Instructor Walker.****Instructor Evans.**

a. Elementary.—Learning of the keyboard, and the care and use of the different parts of the machine. Practice exercises consisting of words, sentences, business letters, and commercial forms. Five hours, throughout the year. One-half unit.

b. Billing and Dictation.—Writing of invoices, legal forms, and writing from dictation. Five hours, through the year. One-half unit.

PENMANSHIP.

Instructor Wanlass.**Instructor Beeley.**

By no means has the typewriter done away with the practicability of good business writing. To the bookkeeper it is indispensable. It is always apparent that the good writer does not experience much trouble in locating himself desirably.

a. Special attention is given to form, position and movement. Zaner's and Palmer's methods are followed. Five hours, first semester. One-fourth unit.

Note.—Students of the Commercial department may elect studies from any other department of the high school without extra expense, except laboratory fees.

DEPARTMENT OF MUSIC.

The department of music gives theoretical and practical instruction in branches indispensable to the educated musician. By a participation of many in the same studies, a true musical feeling is awakened, giving an advantage over private instruction, promoting industry, and preventing one-sidedness against which every singer and player during years of training should be on his guard. By miscellaneous programs, concerts, recitals, daily choir, chorus, and band drill, pupils are afforded opportunity to become accustomed to public performance, and are thereby better able to satisfy the demand which the public makes. Courses extend over four years. Each pupil applying for admission will be given an examination by which it will be ascertained whether he possesses talent requisite for enrollment, and if so, to which grade he should be assigned. Pupils exhibiting sufficient preliminary knowledge can at once be placed in upper classes. When foundation work has been slighted, such pupils may, however, be required to attend lower classes to make up the deficiency.

GRADUATION.

A diploma will be given where the student has 16 units of credit, provided those credits shall include the following:

English	2	units
History, Science, Mathematics.....	3	"
Modern Languages	1	"
Instrumental or Vocal.....	3	"
Solfeggio	$\frac{1}{2}$	"
Harmony and Composition.....	1	"

CONCERTS AND RECITALS.

The Committee on Lectures and Socials brings from far and near, the best obtainable talent. Noted singers and players and even great symphony orchestras have filled successful engagements here. The large number of students serve to place admission fees within easy reach of all. Recitals are held weekly, in which the teachers and advanced students take part. A varied musical atmosphere is provided which has proved itself a source of culture and inspiration to all.

The entrance tuition to the Music department entitles the student to all other High school and Normal courses required for graduation.

Entrance tuition, however, does not entitle students to private lessons. These must be arranged for with the individual teachers. It is the policy of the department to bring beginning students frequently before the teacher,—preferably by two students at a time. The divided period will count as a half lesson only.

Private students must in the graduating year take at least two lessons per week. Teachers are not allowed to assign time for lessons until financial arrangements have been made with the registrar.

To encourage Band music the special fee paid by the student for the band will entitle him to the Band instruction and also entitle him to private instruction from the teachers of the Band instruments to the amount of the tuition paid. This is in view of the fact that pupils who cannot play correctly alone must be prepared for ensemble work.

Class instruction is open to High school and Normal students as well, and includes Harmony, Composition, Solfeggio and Music History.

COURSES IN VOCAL MUSIC.

Professor Lund.

Assistant Professor Reid.

Assistant Professor Johnson.

SINGING.

The singing classes of the University have attained an enviable reputation throughout the inter-mountain region. Over two hundred students begin the training of their voices in this school every year.

a and b. Reading, Voice-Building and Part Singing.—Four hours, throughout the year. One-half unit.

c and d. Style Anthems and Expression.—Criticism, easy chorus. Four hours, throughout the year. One-half unit.

e.* Difficult Quartette and Chorus.—Four hours, throughout the year. One-half unit.

f.* Opera.—Selections from oratorio and opera. Four hours, throughout the year. One-half unit.

*Courses e and f may be taken twice, but one-half credit only will be given the second time.

PIANO MUSIC.

Professor Lund.

Assistant Professor Reid.

Assistant Professor Johnson.

a.—Major scales. Kohler's First Little Pieces.

b.—Major scales. Kuhner's First Book of Etudes.

c.—Velocity Studies, Czerny. Germer Technic. Kuhner's Fourth Book of Instruction.

d.—Op. 299 Czerny. Cramer Studies. Germer Technic. Two-part Inventions, Bach.

e.—Scales in Thirds. Scales in Sixths. Arpeggios. Kuhner's First Book of Instructive Pieces.

f.—Scales Double Thirds; Double Sixths. Kuhner's Second and Third Book of Etudes.

g.—Fertigkeit-Czerny. Germer Technic. Kuhner's Fourth Book of Instruction.

h.—Sonatas. Beethoven. Lighter pieces from Chopin, Grieg, Schumann, Mendelssohn, etc. Appropriate selections from standard authors will be given.

i.—Advanced technic work; Bach's Preludes and Fugues. Sonatas and pieces from standard composers and some of the lighter ensemble playing.

j.—Preludes and Fugues and Concerto.

SIGHT-PLAYING COURSE.

PIANO.

Assistant Professor Reid.

The object of this course is to develop the piano student in playing at sight. Students meet twice each week in classes of four, for twenty minute recitations. Note values, count relations, signatures, rhythmic counting and tempo indications are taken up first after which the four students play the exercise or piece together. This course is the same as given at the New England Conservatory of Boston, and continues throughout the year.

VIOLIN.

Assistant Professor Gudmundson.

This course is for violin students who meet in classes of four twice a week and is conducted in the same manner as the above course for piano students.

Students of these instruments are sadly lacking in sight-playing ability and this course is offered to overcome that deficiency.

Terms: This is a special course and will be given for \$7.

ORCHESTRAL MUSIC.

Assistant Professor Gudmundson.

a. Foundation Work.—Students entering this work must be able to play their instrument so that no time will be taken from the class for fundamental instructions in playing, which should already have been learned in private lessons. Material used: Easy arrangement of overtures, operatic selections, dances and miscellaneous music. Five hours, throughout the year. One-half unit.

b. Concert Orchestra.—This organization takes part in the concerts and various entertainments where the extent of the school orchestra work can be judged. Thirty members constitute the present membership. Students who have had experience sufficient to take this work may do so, provided the instrumentation of the orchestra will be correct. Four hours, throughout the year. One-half unit.

BAND MUSIC.

Assistant Professor Sauer.

a.—The fundamentals of music, pitch, staff, clefs, time, signatures, scales, keys, etc., will be taught. One semester's private instruction or the equivalent required. Easy music will be used. Five hours, throughout the year. One-half unit.

b.—Continuation of Band a. Interpretation of style, embellishment, expression, tone, breathing and other details. Four hours, throughout the year. One-half unit.

c.—Open for those who have completed Band b and qualified to take up this work. Some of the features of this organization are playing at the student body meetings, games and other school activities. The student has a splendid opportunity of acquainting himself with a high grade of classic band music. Four hours, throughout the year. One-half unit.

Private Instruction will be given by Professor Sauer on the following instruments: Bassoon, String-Bass, Cornet, Baritone, Tenor, Alto, Trombone, Bass, Drums. The Cornet and Trombone can be especially recommended. They offer opportunity for practical use, and fair returns in wages.

Note.—It will be well for those who do not have an instrument and who intend purchasing one to consult the instructor.

MANDOLIN AND GUITAR.

Professor Partridge.

Opportunity will be given students to take lessons on the

Mandolin and the Guitar. Clubs will be organized where a sufficient number of advanced students apply.

THEORETICAL COURSES.

Assistant Professor Johnson.

SOLFEGGIO.

This course provides the music students with a good systematic drill in ear-training, sight-singing, and the fundamental principles of music. Students are taught to know how music sounds by looking at the printed page, also to write a melody after hearing it played.

a.—Drill in reading notes in rhythm and by interval name. Signatures of major and minor keys. Drill in determining key through signature and harmonic structure. Ear training through hearing and singing common, diminished, augmented triads. Writing by dictation. Text book "Melodia." Two hours, throughout the year. One-half unit.

b.—Completion of "Melodia." Ear training and dictation continued. Seventh and altered chords studied from standpoint of interval structure. Two hours, throughout the year. One-half unit.

THEORY OF MUSIC.

Through this course the student becomes acquainted with the architectural side of music. Learns that musical ideas do not follow each other in a hap-hazard way, but that they always conform to some well defined plan.

a. **Acoustics.**—A study of the physical laws of music, which enables students to comprehend the principle on which each in-

strument is constructed, and to account for the different qualities and character of musical sounds. The tempered scale, pitch and its perception. Laws governing rhythms, tempo marks, accents, natural and artificial grouping metronome marks, embellishments, etc. **Meter**—All the different meters taken up in their relation to hymnology. Two hours, first semester. One-fourth unit.

b. Musical Form.—Figure treatment, leit-motif, all the simple song-forms studied and analyzed; sonata forms, vocal forms, contrapuntal forms, canon, ending with an analysis of the figure. Two hours, second semester. One-fourth unit.

HARMONY.

This teaches the student to think in combinations of sounds, or chords, also studies the laws governing the succession of these chords.

a. Short Review of Rudiments of music, scales and intervals. Principal triads and their inversions, cadences. The dominant seventh chord. Two hours, first semester. One-fourth unit.

b. Secondary Triads and Inversions.—Dominant ninth chord, diminished seventh chord, modulation. Two hours, second semester. One-fourth unit.

c. Modulation Continued.—Secondary seventh chords, chromatic passing tones, mixed chords. Two hours, first semester. One-fourth unit.

d. Altered Chords, enharmonic changes, suspensions, appoggiatura, organ point, harmonizing florid melodies, figured chorals, analysis. Two hours, second semester. One-fourth unit.

MUSIC HISTORY.

a.—This course is essential to music students. We first

study the beginnings of music. The origin of the earliest instruments, early music of the Chinese, Egyptians, Hebrews, Greeks, and Romans. The beginning of opera, development of piano-forte and organ, oratorio and religious music, ending with a discussion of the musical influence of the present. One hour, throughout the year. One-fourth unit.

NORMAL MUSIC TRAINING.

Assistant Professor Johnson.

This course is not to prepare students to do work as music teachers or supervisors, but to aid the grade teachers in their work. Open to Normal students only.

a. Rudiments.—Tonal tendencies, major and minor intervals, pitches, triads, signatures, dynamics, rhythms, note reading, and simple melody writing. Note reading, sight singing; discussion of problems involved in proper treatment and training of child voice; chorus practice and individual practice; singing of songs suitable for primary grades. A consideration of methods, etc. Two hours, throughout the year. One-half unit.

PUBLIC SCHOOL MUSIC.

a.—To prepare music students to become supervisors and teachers in the grades and high schools. A general knowledge of music and the ability to sing or play required.

The course will deal entirely with theory and methods of teaching, art of conducting, care of child voice, fundamentals in music, institute work, educational value of music, practical demonstrations and teaching in training school. Two hours a week, throughout the year. One-half unit credit. Extra tuition charged.

DEPARTMENT OF ARTS AND MANUAL TRAINING.

The purpose of this department is the development of thought-power, feeling and skill. An incidental aim is to cultivate self-control, and establish an appreciation for beautiful and skilled expression in the constructive and fine arts,—in other words to educate the user to appreciate more fully the art of the maker through participation.

Because of the influence which objective nature has upon the productive sense, it is necessary that the individual and the race become more and more sensitive to all forms of beauty, that there may be grace as well as consistent form in construction.

The work is especially adapted to the conditions and opportunities of this region. Emphasis is placed upon the study and possibilities of native materials and their use in industrial work.

ENTRANCE REQUIREMENTS.

Applicants for admission to this department will be required to furnish a certificate of graduation from the eighth grade or pass an examination.

GRADUATION.

This department offers diplomas in the following lines of work: (1) General Art with Drawing or Design emphasized; (2) General Manual Training with Woodwork, Ironwork, or Drafting emphasized; (3) General Household Economics, with Domestic Science, Domestic Art, or Dressmaking emphasized.

Sixteen units of credit are required for graduation, and must include: English, two units; Science, one unit; Mathematics,

or History and Civics, one unit; Manual Training (Drafting, Woodwork, Ironwork, Domestic Science, Domestic Art, or Dressmaking), or Art (Drawing, Design, Studio Work, Craftwork), three and one-half units.

COURSES IN ELEMENTARY ART.

Professor Eastmond.

DRAWING.

a. **Form Study and Expression.**—Study of line, dark and light, mass, etc. Representation in clay. Brush drawing. Object Drawing, involving circular perspective, dark and light, light and shade, texture expression and suggestion. Color study. Motif Drawing. Application work. Free-hand perspective; distance representation in line, values, etc. Correlation work with physiography, botany, literature, etc. Three hours, throughout the year. One-half unit.

b. **Form Study and Expression.**—Continuation and review of a. Wash drawing. Study of artists and their works. Representation in clay. Study of perspective continued and applied. Pictorial composition introduced. Sketching from nature. Color study continued. Three hours. One-half unit.

c. **Form Study and Expression.**—Continuation of b. Elementary still life representation in charcoal tone. Pictorial composition from an objective standpoint. Sketching from nature. Three hours, throughout the year. One-half unit.

d. **Form Study and Expression.**—Continuation of c. Elementary clay modeling—objective. Animal and Pose drawing. Representation in color emphasized. Three hours, throughout the year. One-half unit.

DESIGN.

Professor Eastmond.

a. Study and Application.—(Elementary.) Study and adaptation of basic styles, historic. Study and adaptation of nature from motif drawing, and conventionalization. Study of consistency. Consideration of form and decorations from a psychological point of view. Application work will be introduced as a means of participation. Three hours, throughout the year. Three-fourths unit.

b-1. Mechanic Arts Correlation.—Adaptation of styles. Consideration and adaptation of architectural elements of form. Creative design. Correlation of Drafting. Application work in wood and metal. Three hours, throughout the year. One-half unit.

b-2. Home Economic Correlation.—Consideration of sanitation in connection with interior and exterior decoration. Adaptation of color, decorative form, etc., to the various rooms of the home. Mural design involving proportion, etc. Application work; stenciling, Block Printing, etc. Furniture and its consistency. Table decoration. (Correlative design study for Domestic Art students, see Domestic Science b.) This course is subject to being divided into sections to obtain satisfactory correlation with Domestic Science and Domestic Art respectively. Three hours, throughout the year. One-half unit.

c. Lettering.—(Same as Commercial Design a.) Free-hand show card and poster work. Study of historic styles and types. Monograms. Study of materials and mediums. Elementary sign painting. Three hours, throughout the year. Three-fourths unit.

d. Displaying.—(Same as Commercial Design b.) Window decoration exterior and interior displaying. Design b continued. Color study applied. Psychology of form, dark and light, and

color—applied. Three hours, throughout the year. Three-fourths unit.

Note.—Students who desire to continue Design will consult the Director of the Department.

COURSES IN MECHANIC ARTS.

DRAFTING.

Assistant Professor Campbell.

a. **Mechanical Drafting.**—Use and care of instruments, mounting of paper, lettering, geometric figure drawing, projection, intersection of solids and developments of surfaces. Three hours, throughout the year. One-half unit.

b. **Architectural Drawing.**—Projection of shadows, instrumental perspective. Required, Design a. Three hours, throughout the year. One-half unit.

b-1. **Machine Drawing.**—(Continuation of b.) This course embraces the drawing of elementary parts of machines. Plan and elevation drawing; methods of representing sections concluded with working drawings for the pattern shop. Three hours, throughout the year. One-half unit.

c. **Architectural Drawing.**—(Continuation of b.) Study of house planning. Detail work and furniture construction. Design b-1 recommended as a collateral. Two hours, throughout the year. One-half unit.

WOODWORK.

Instructor Huish.

a. Elementary.—Materials and their adaptation. Adjusting and care of tools. Principles of construction, correlation of design and drafting. Five hours, throughout the year. One-half unit.

b. Elementary.—Continuation of a. Wood finishing and wood-turning introduced. Saw filing. Correlation of design and drafting. Five hours, throughout the year. One-half unit.

c. Elementary.—Continuation of b. Selection and adaptability of woods. Study of the industry of lumbering. Cabinet work. Correlation of design and drafting. Five hours, throughout the year. One-half unit.

d. Elementary.—General joinery and furniture construction. Simple sash work introduced. Wood carving introduced. Creative design emphasized. Combination work of wood and related materials. Correlation of design and drafting. Five hours, throughout the year. One-half unit.

Note.—Lectures on care of tools, selections of materials, fastenings for wood, general instructions on house building and finishing, and the steel square will be given. If desired, students may devote two hours per day to this work and thus complete a course in one-half the time here designated.

IRONWORK.

Instructor Halls.

a. Elementary.—Explanation of tools and materials. Squar-

ing welding, twisting. Elementary principles of blacksmithing. Four two-hour recitations, throughout the year. One unit.

b. Forging.—The making of tools, such as wrenches, picks, hammers, etc. Work in steel; steel and iron welds, springs, tire setting, and scroll work. Four two-hour recitations, throughout the year. One unit.

b-2. Machine Shop Work.—This course includes the following: Filing, chipping, and hand fitting. Lathe work is designed to cover all the ordinary operations in turning to form, boring and chucking in the lathe. The grinding of tools, threadcutting, eccentric and face-plate work. Polishing and good finish is required upon all machine work. Instruction in the use and care of machinery is given throughout the course. Drafting a or Design a should be taken as a parallel course. Four two-hour recitations, throughout the year. One unit.

c. Farm Mechanics.—(Duplication of Agriculture c.) Study of implement construction and repairing,—actual experimental work. Forging, welding, tire-setting, combination construction, (wood and metal) consistency of material—actual experimental work. Four hours, throughout the year. One-half unit.

COURSES IN HOME ECONOMICS.

Professor May Ward.

Assistant Professor Harris.

DOMESTIC SCIENCE.

a. Food.—An inductive study of food materials and fundamental principles of cookery. Practice given in cooking vegetables, cereals, eggs and meat; in making bread, cake and simple salads and desserts. Two periods per week of two hours each, throughout the year. One-half unit.

b. Home Sanitation and Economics.—This course includes the following topics: Elementary bacteriology; situation and surroundings of dwellings; construction of foundation and cellar; heating and ventilation; water supply; disposal of waste; planning of house; consideration of furnishings and decoration, and design study and application. Two periods per week under domestic science and three under art teacher. (See Design b-2.) One unit.

c. Food.—This course considers the following: Classification, nutritive value, digestibility, cost and changes produced in cooking food materials; effect of age and occupation upon the amount and kind of food needed by the body. Two two-hour laboratory periods and two recitation periods per week, throughout the year. One unit.

d. Food.—This course includes the following: (a) food preservation with practice in putting up fruit and vegetables; (b) planning, cooking and serving meals; (c) principles of feeding in disease, with practice in preparing food for the sick and convalescent. Two two-hour laboratory periods and two recitation periods each week, throughout the year. One unit.

DOMESTIC ART.

Assistant Professor Elliott.

Instructor Evert.

Instructor Billings.

Each student will provide herself with all required materials. A 75c machine fee is charged during the first semester for Domestic Art a.

a. Hand Sewing.—Fundamental elements of sewing. The various stitches and their application in making simple articles. Darning and mending. Study and care of sewing machine. Ele-

ments of sewing and their application in the making of lingerie; scientific development of patterns; study of materials, etc. Five hours, throughout the year. One-half unit.

b. Hand and Machine Sewing.—Hemming, marking, and mending of table linen; making of articles of fine lingerie continued. Rolled hemming, trimmed underskirt, and combination suit. Five hours, throughout the year. One-half unit.

c. Mexican Drawn Work, first semester; **Hardanger Embroidery**, second semester. Domestic Art a and Design b2 required. Four hours throughout the year. One-half unit.

d. Modern Point Lace.—Lace stitches and development of designs in lace making. Domestic Art a and Design b2 required. Four hours, throughout the year. One-half unit.

DRESSMAKING.

Assistant Professor Elliott.

a. Making of Models Used in Shirt Waist Making.—Drafting and developing of patterns. Plain shirt waists, dressing sacques, kimono's, drop-skirts and plain outside skirts. Domestic Art a required. Four hours, throughout the year. Three-fourths unit.

b. Drafting.—Models in faggoting stitches. Trimming with lace, shaping of yokes. Making of fine white waists. Lessons in outline of dressforms. Plain shirt-waist suits. One other article is required—the kind optional with the student. Design a required. Four hours, throughout the year. Three-fourths unit.

DEPARTMENT OF AGRICULTURE.

The work that is offered in this department is arranged under four divisions, namely, General Agriculture, Animal Husbandry and Horticulture. Enough work is offered in these divisions to provide the students a requisite number of courses of sufficient duration to allow the election of the major part of this study for four or five years within the department. The great majority of the courses while offered in the high school are equivalent to those offered by Agricultural colleges and schools generally.

Because of the good laboratory equipment, orchard and demonstration plats, ample provisions are made for the demonstration and illustration of the many principles studied in the various courses.

Through the liberality of the Consolidated Wagon and Machine Company, the Vermont Farm Machine Company, the De Laval Separator Company and others, an up-to-date farm mechanics laboratory has been equipped with the latest improved harvesting, soil-working, and dairy machinery. This enables the department to offer a course in Farm Mechanics.

ADMISSION.

Students are admitted to the Agricultural department on certificate of graduation from the eighth grade, or by passing an examination.

GRADUATION.

The regular course extends over a period of four years, the successful completion of which entitles the student to a diploma from the University.

Four units in Agriculture and two units in English in addition to the other requirements of the Academic department are necessary for graduation.

GENERAL AGRICULTURE.

Professor Merrill.

Professor Smart.

Assistant Professor Vance.

a. Elementary Agriculture.—This course is designed to give an insight into the Science of Agriculture and treats of the soil, the plant, and the animal, and their relationship to their environments and to each other. Five hours, first or second semester, followed by Horticulture. One-half unit.

b. Agriculture for Grade Teachers.—This course deals with the fundamental principles of Agriculture. The material suited to the grade school is arranged and outlined by the students preparatory to presentation. The school garden will be an important feature of the spring work. This course is for both young men and women. Three hours, second semester. One-fourth unit.

c. Farm Mechanics.—This is a laboratory course. The work consists of a study of the construction of the most up-to-date farm machinery. In the laboratory the student will be required to take apart and put together again the various kinds of farm machinery. Four hours, first or second semester. One-half unit credit.

a. Winter Course Agriculture.—This course is equivalent to Agriculture a. Five hours, winter semester. One-half unit.

Lecture Course.—Beginning with the winter semester, a series of lectures will be given on agricultural subjects by teachers in the school and by men who are leaders in the various fields of agricultural activities. These lectures will cover a wide range of subjects and will be of much interest and of great value, not only to the students of agriculture but to all the students of the University. The lectures will be given at such a time as not to conflict with the class work in other departments.

AGRONOMY.

Professor Merrill.

a. Soil Physics.—This course is a detailed study of soils and soil types. It treats of such topics as origin and formation of soil, chemical and physical composition and the relation of these to crop production; soil moisture, the biology of the soil; maintaining and increasing soil fertility. The laboratory work will consist of field trips, soil judging, and the making of a physical analysis of a certain type of soil in which the student is most interested. Text: Lyon's Soils. Two hours recitation and a two-hour laboratory period, throughout the year. Three-fourths unit.

b. Field Crops.—This course is a study of the methods of improvement, classification and market requirements of farm crops, also grain judging. Text: "Cereals in America" (Hunt), "Grain Judging" (Lyon). Five hours, first semester, followed by Animal Husbandry g, second semester. One-half unit.

c. Thremmatology.—In this course the principles and practices involved in the improvement of domesticated plants and animals are studied. Such topics as variation, causes of variation, selection, correlation, heredity, prepotency, Mendel's law of hybrids, etc., are considered. The laboratory exercises consist of grafting, budding, crossing of strawberries, wheat, oats, etc. Text: Davenport's Principles of Breeding. Two hours, throughout the year. One-half unit.

d. Agricultural Bacteriology.—This course is designed especially for grade school teachers and deals with bacteria of the air, soil and water in their relation to health and disease as well as of the various activities of rural life. Five hours, first semester, followed by Agriculture for Grade Teachers, second semester. One-half unit. (Not given in 1912-1913.)

e. Investigation.—Students who are qualified and have a desire to do some investigative work will have the opportunity

of doing so. Facilities will be provided either on the field or in the laboratory for such work. The kind and amount of credit will be determined by the grade and amount of work done. (Not given in 1912-1913.)

HORTICULTURE.

Professor Smart.

a. Horticulture.—This is a general course, including a study of the structure, habits, and growth of cultivated plants and their modification by climate, soil and other relations; propagation of plants by seeds, cuttings, grafting and budding. Text: "Principles of Plant Culture" (Goff). Five hours, first or second semester. One-half unit.

b. Orchard Management.—This course deals with the theory and practice of fruit growing. Such topics are considered as the selection of the orchard site with reference to exposure, soil, market, and climatic conditions; selection of varieties for home and market uses; the nursery stock; laying out and planting the orchard; care and management; picking and marketing fruit. Text: "Fruit Growing in Arid Regions" (Paddock and Whipple). Two hours, throughout the year. One-half unit.

c. Economic Entomology.—This course is a study of the life history and methods of combating destructive insects. Three hours, throughout the year. One-half unit.

c-1. Bee Culture.—A course in Bee culture covering a period of five weeks is included in the course in economic entomology. Students desiring work in this line will elect entomology, or may enter for five weeks only, without credit. Text: "How to Keep Bees for Profit" (Lyon).

d. Plant Pathology.—See college division of this catalogue for description of course.

e. Agricultural Botany.—See college division of this catalogue for description of course.

ANIMAL HUSBANDRY.

Assistant Professor Vance.

a. Management of Farm Animals.—This course is a study of the management of farm animals under various conditions. It is designed especially for beginning students and should be taken as an introductory course in this department. Text: "Manual of Farm Animals." Five hours, first semester. One-half unit.

b. Market Classes and Grades.—This course is a study of the market classes and grades of horses, cattle, sheep, and swine. The condition prevailing of the large market, transportation to the market, fitting for the market, etc., will be the subject matter of the course. Three hours, second semester. One-fourth unit.

c. Study of Breeds.—This course consists of the study of the history and development of each breed of cattle, sheep, horses, and swine; the breed characteristics, their original home, and the adaptability of each breed to our western conditions.

Some time is given to the study of pedigrees in order that the student may learn to appreciate the value of a pedigree.

The laboratory work consists of the comparative judging of groups of animals, also some score card practice according to the official standard of each breed.

Text: "Types and Breeds of Farm Animals."—Plumb. Five hours. One-half unit.

4. Study of Breeds.—The second term is practically a repetition of the first term's work, except the study of cattle and sheep is taken up. Five hours. One-half unit.

e. Advanced Stock Judging.—This work takes up the judging of market classes as well as the different breeds of pure bred animals and includes the judging of groups of animals of all classes. It takes up the work done in fairs; prepares the student for real judging in the show ring. Various trips are taken to our best stock farms, where the student is given practical experience in judging. Text: "Judging Live Stock."—Craig. One hour, throughout the year. One-fourth unit.

f. **Veterinary Science.**—In this course the common ailments and diseases of farm animals are discussed. Contagious diseases are taken up in detail with special reference to their cause and prevention. Sanitary Science is a prominent feature in this course. The student is made familiar with the methods of examination for soundness both in class room and in actual demonstration. Two hours recitation and one clinical period per week, throughout the year. Three-fourths unit.

Free clinic will be held each week and all students taking this course are required to attend and assist in the work. The clinic affords the student ample opportunity for practice in examination and treatment of ailments commonly met with on the farm.

g. **Animal Nutrition.**—This course deals with the general principles which underlie the proper methods of feeding and management of all classes of live stock. The common foods given to stock will be studied, as to their composition and nutritive value and how both are affected by maturity and curing. Calculating rations for the various classes of farm animals under various conditions. Text: "Feeds and Feeding."—(Henry.) Four hours, second semester. One-half unit.

h. **Poultry Craft.**—This course is a consideration of types and breeds of poultry, especially those giving best returns in this section. The major part of this course, however, is a consideration of the care and management of laying and breeding stock, natural and artificial incubation and caring for the chicks. Those who desire it will have the opportunity of conducting an up-to-date incubatory for one period of incubation. (Not given in 1912-1913.)

i. **Fish Culture.**—This is a practical course dealing with the hatching, feeding and care of fish from the taking of the eggs till they are ready for market. It deals also with water supply, construction of ponds, hatching troughs, the relative importance of the native and imported varieties of trout, etc.

Hatching troughs and ponds with trips to the state hatchery near Springville affords adequate facilities for practical demonstrations throughout the course. One hour per week, throughout the year. (Not given in 1912-1913.)

Sub-High School.

Wm. H. Boyle, Principal.
Assistant Greenwood.
Assistant Gubler.
Assistant Smith.

The work of this school is adapted for young people below the High School grade who are somewhat advanced in years, and whose opportunities have been too limited to complete the public school curriculum as far as the eighth grade. There are not entrance requirements other than the desire to work and the determination to be a lady or a gentleman. The studies are adjusted to the needs of the students. The work is not described as seventh, eighth, or any other specific grade; it is suited to the capacity of the students, whatever that may be. Special teachers are provided to assist those who are not prepared to enter regular classes.

Grown-up young people may enter this school without feeling the chagrin that often results from mingling with younger and smaller students in the public schools. Students of the Sub-High School have the same general privileges as those in the High School. The University is noted for the absence of social distinction among its students.

GRADE AND TEXT BOOKS.

In the main, the work of the Sub-High schools will be the same as the regular seventh and eighth grade work of the public schools. The text books adopted by the Church School Convention will be used.

Graduates of the Church Teachers College, 1912.

BACHELOR OF ARTS.

Paird, Samuel	Provo	Mercer, Jared A.....	
Carroll, C. H.....	Provo	.....	Magrath, Canada
Clark, Marie	Springville	Monson, Raymond J.....	
Eyring, Carl F.....		.....	Mt. Pleasant
.....	Colonia Juarez, Mex.	Ollerton, Mary J.....	Parowan
George, J. Morrille.....	Provo	Rigby, Samuel B.....	Fairview
Hafen, Arthur K..	Santa Clara	Snell, Heber C.....	Provo
Hickman, F. L.....	Payson	Talmage, Sarah W.....	Provo
Larsen, B. F.....	Provo	Thompson, H. Eyring..	Provo
Martin, Thomas L..	Am. Fork	Tucker, James B.....	Provo
Meldrum, G. G.....	Provo	Worthen, George W.....	
		.....	St. George

ENROLLMENT OF STUDENTS.

JUNIORS.

Boyle, W. H.....	Provo	Nelson, LeRoy..	Spanish Fork
Glazier, C. Wilson.....	Provo	Ollerton, Anna	Parowan
Hurst, P. Harrison.....			
.....	Colonia Dublan, Mex.		

SOPHOMORES.

Banks, Junius..	Pleasant Grove	Kelly, Alfred L.....	Provo
Beeley, Arthur L.....	Provo	Lindsay, Elizabeth F...	Heber
Brimhall, Dean R.....	Provo	Nelson, L. Raymond....	Provo
Buss, Fred	Provo	Poulson, M. Wilford...	Provo
Clove, James Jr.....	Provo	Romney, Erastus S.....	
Cummings, J. M.....	Provo	.....	Colonia Dublan, Mex.
Hafen, Charles...	Santa Clara	Schwencke, Chas.	Samoa
Horsley, Shirley C.....		Taylor, Aimie	Provo
.....	Brigham City	Vance, John A.....	Provo
Jensen, J. M.....	Provo	Wanlass, Wm. L.....	Provo

FRESHMEN.

A.

Allred, Warren	Fountain Green	Anderson, Einar	Salt Lake City
Andelin, Marian	Provo	Anderson, Orvel	Monroe
Andelin, Aubrey.....	Provo	Argyle, Horace..	Spanish Fork

B.

Bachman, Elwood	Provo	Black, J. Ellis..	Hayden, Idaho
Baxter, Hugh..	Pleasant Grove	Brimhall, Fawn	Provo
Beck, Reid	Provo	Brown, Sam R.....	Provo
Billings; Leona.	Salt Lake City	Bullock, Lissie.	Lonetree, Wyo.

C.

Casto, Olive	Salina	Colton, Charles	Vernal
Chamberlin, Daisy F....	Provo	Crandall, Ella	Springville
Childs, Chauncey..	Springville	Crawford, W. G.....	Provo
Chipman, Catherine.	Am. Fork	Curtis, Zilla	Provo
Clayson, Susan E.....	Payson		

E.

Eastmond, Bessie	Provo	Eyring, Fernando	
Eastmond, Frank	Provo	.....	Colonia Juarez, Mex.
Eggertsen, Luther E....	Provo		

F.

Fletcher, Milton P.....Provo

G.

Garett, J. Oscar.....	Provo	Gubler, John G....	Santa Clara
Greenwood, Lester D..	Central		

H.

Hafen, Ella	Santa Clara	Hickman, James J.....	
Halls, Frank....	Mancos, Colo.	.....	R. F. D., Provo
Hayes, Murray		Higgs, Anna P.....	Provo
.....	Pleasant Grove	Hinckley, Minerva	Provo

J.

Jerman, Alonzo	Santaquin	Johnson, Don.....	Spring City
Johnson, J. Edward.	Benjamin		

K.

Kelly, Elva P.....	Provo	Knudsen, N. Wm.....	Provo
Knowlden, Lucile	Provo	Knudsen, Nettie	Provo

L.

Larsen, Lottie	Monroe	Lowry, Gerald	Manti
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M.

Maeser, Beatrice	Beaver	Monk, Louie....	Spanish Fork
Maeser, Karl G.....	Beaver	Moore, S. D. Jr.....	Payson
Mathews, Lewis	Provo	Mortensen, Mae	
Maycock, Luella ...	Springville	.....	Colonia Juarez, Mex.

N.

Nelson, Asael	Provo	Nixon, Olive	Huntington
Nielson, Erastus A.....	Provo	Noyes, L. L.....	Provo

O.

Orser, Mary	Provo
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P.

Pace, Ireta	Richardson	Powelson, George	Provo
Parker, J. Bartle....	Am. Fork		

R.

Romney, Pearl		Romney, Roxey	
.....	Colonia Juarez, Mex.	.....	Colonia Juarez, Mex.

S.

Searle, Lester	Provo	Spilsbury, Nelle	
Shelly, Mary...Shelley, Idaho		.....	Colonia Juarez, Mex.
Skousen, Cecile		Stout, Wendell S.....	
.....	Colonia Juarez, Mex.	.....	Guadalupe, Mex.
Smith, Hyrum.Snowflake, Ariz.		Swenson, Lyman	
Spendlove, James J....	Provo	Pleasant Grove

T.

Taylor, Alta	Provo	Thornton, Sadie	Am. Fork
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W.

Wakefield, Emma	Provo	Weight, Nellie	Springville
Wakefield, J. F.....	Provo	Weight, Henry	Springville
Wahlquist, C. J.....	Provo	Wilson, David J.....	Midway
Walker, Hattie	Provo	Wilson, N. F.....	Provo
Wanlass, Eva P.....	Provo	Woolsey, Parley ...	Escalante
Webb, Sarah	Pima, Ariz.		

Y.

Young, Kimball	Provo
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Secondary School Graduates.

HIGH SCHOOL.

Andelin, Marian	McArthur, D. D.
Anderson, Albert F.	Millard, Annie
Anderson, Earl O.	Nesbit, Robt. W.
Anderson, Einar	Nielson, Zeraldo N.
Anderson, Orvel	Pace, Ireta
Bastian, Niels	Persson, Reid
Bee, Florence	Prescott, Christa
Bleak, Samuel	Robinson, Eunice
Booth, DeLilah	Roylance, Merline
Brown, Lloyd B.	Schofield, Wm. U.
Caldwell, Thos. E.	Smith, J. F.
Clark, Hiram	Spilsbury, D. Leslie
Clark, Grant	Stewart, Lucile
Clark, Venice	Stewart, Marguerite
Clegg, Fred W.	Stonebraker, Hazel
Collett, Gertrude	Stringham, Briant H.
Greenhalgh, Earl H.	Taylor, Fred R.
Hardy, LeGrande	Taylor, Heber R.
Higgins, Jesse R.	Tietjen, Rollen
Jerman, Alonzo	Trotter, Samuel
Johnson, Glenn	Wootton, Joseph
Larsen, Lottie	

NORMAL SCHOOL (Five-Year).

Baxter, Hugh	Monk, Louie
Chamberlin, Daisy F.	Nelson, L. Raymond
Clayson, Susan E.	Stewart, Agnes
Eggertsen, Luther E.	Thornton, Sadie
Greenwood, Lester D.	Weight, Nellie
Hayes, Eliza	Spilsbury, Nelle
Johnson, J. Edward	

NORMAL SCHOOL (Four-Year).

Anderson, Archibald H.	Billings, Vella
Bankhead, Edna	Booth, Relva
Becksted, Bee	Booth, DeLilah
Bean, Elfie	Caldwell, Thos. E.

Childs, Blanche
 Colton, Zora
 Finch, Clara
 Fletcher, Erma A.
 Garrett, Jos. O.
 Greene, Fern
 Greene, Florence
 Goodrich, Lucy
 Hafen, Ella
 Hawks, Ila
 Herbert, Mabel
 Hicken, Olive
 Hindley, Liza
 Johnson, Arnold E.

Kirkham, Myrtle
 McKee, Aurilla
 Knowlden, Lucile
 Meldrum, Edith
 Mace, Minerva
 Madsen, Evelyn
 Mathews, Kate
 Mitchell, Sadie
 Pace, Ireta
 Poulson, Edna
 Redd, Carlisle
 Storrs, Rosella
 Stringham, Briant H.
 Wrathall, Alice

DEPARTMENT OF ARTS AND MANUAL TRAINING.

Billings, Florence
 Brown, Sam R.
 Cameron, Martha
 Campbell, Mazie
 Christiansen, Ole
 Childs, Berthena
 Chipman, Fern
 Fausett, Lynn
 Gardner, Ray
 Gardner, Harvey
 Gibson, Lottie
 Harding, Geo. B.
 Hibbert, Maude
 Hinckley, Minerva

Johnson, Glenn
 Macdonald, Hazel
 Larsen, Jennie
 Larsen, Valentine
 Larsen, Lottie E.
 Parkinson, Vivian
 Powell, Parley
 Redd, Carlisle
 Shelley, Mary
 Taylor, Aimie
 Taylor, Nellie
 Vance, John A.
 Wright, Tola
 Young, Lothield

COMMERCIAL DEPARTMENT.

Anderson, Albert F.
 Anderson, Walter
 Bee, Florence
 Booth, Delilah
 Crowther, Arthur
 Epperson, Lawrence T.

Gibson, Lottie
 Nesbit, Robert W.
 Poulson, Melvin G.
 Schofield, Wm. U.
 Woods, Clarence J.

MUSIC DEPARTMENT.

Anderson, Emily
 Chipman, Katie
 Holt, Wm. D.
 Ritchie, Ella

Roylance, Merline
 Roylance, Kenneth
 Taylor, Ethel R.
 Wright, Tola

DEPARTMENT OF AGRICULTURE.

Davis, Ray

Greenwood, Vern R.

Enrollment of Students in Secondary Schools.

Note.—Students are classified according to departments.
Abbreviations: High School, H. S.; Normal, N.; Commercial, C.; Music, M.; Arts and Manual Training, A.; Agriculture, Agr.

FOURTH YEAR.

A.

Anderson, Albert, St. Johns, Ariz.	C.	Anderson, Ellen, Lake Shore	N.
Anderson, Earl O., Mayfield	H.S.	Anderson, Emily, Provo....	N.
		Anderson, Walter, Spanish Fork	C.

B.

Baird, Orrin, Provo.....	H.S.	Billings, Florence, Provo..	H.S.
Baird, Chauncy, Provo....	H.S.	Billings, Vella, Jensen....	A.
Bankhead, Edna, Moab.....	N.	Bingham, Keren, Vernal....	N.
Bastian, Niels, Washington.	N.	Bingham, Edna, Vernal....	A.
Bean, Elfie, Provo.....	H.S.	Bird, Jennie, Mapleton....	A.
Beckstead, Bee, Provo.....	N.	Bleak, Samuel, St. George..	N.
Bee, Florence, Provo.....	N.	Booth, Relva, Am. Fork..	H.S.
Bee, Howard, Provo.....	H.S.	Booth, DeLilah, Provo.....	N.
Berry, Gerald W., St. Johns, Ariz.....	H.S.	Bown, Hazel, Fayette.....	N.
		Bullock, Jas. A., Provo....	H.S.

C.

Caldwell, Thos. E., Vernal..	N.	ley, Idaho	H.S.
Cameron, Martha, Provo....	A.	Clark, Hiram, Provo.....	H.S.
Campbell, Mazie, Heber....	A.	Clark, Grant, Farmington.	H.S.
Carter, Nancy L., Provo....	N.	Clark, Venice, Provo.....	H.S.
Childs, Bertha, Springville..	A.	Ciegg, Fred W., Heber City	H.S.
Childs, Blanche, Springville.	N.	Colby, Elmer, Salina.....	C.
Childs, DeVere, Orangeville	N.	Collet, Gertrude, Vernal.	H.S.
Chipman, Fern, Am. Fork..	A.	Colton, Zora, Vernal.....	N.
Christensen, E. Milton, Shel-		Crowther, Arthur, Provo...	C.

D.

Daley, Mattie, Provo.....	N.	Decker, Kenneth, Provo....	C.
Davis, Ray, Provo.....	Agr.	Duffin, Florence, Provo..	H.S.
Day, Erael, Provo.....	M.		

E.

Epperson, Lawrence, Provo..C.

F.

Farrer, Maude, Provo.....N.

Fausett, Lynn, Price.....A.

Finch, Clara, Provo.....N.

Fletcher, Erma, Provo.....N.

Freshwater, Leo, Provo.....C.

G.

Gardner, Ray, Salem.....A.

Gibson, Lottie, Provo.....C.

Gillespie, Sharp, Provo R. F.

D. H.S.

Glazier, Martha, Provo.....M.

Goodrich, Lucy, Vernal....N.

Greene, Florence, Am. Fork..N.

Greene, Fern, Am. Fork....N.

Greenhalgh, E. H., Scofield

..... H.S.

Greenwood, Vern, Central..

..... Agr.

H.

Hardy, LeGrande, Provo..H.S.

Hawks, Ila, West Portage..N.

Hayes, Eliza, Clear Creek..N.

Henrie, Florence, Provo...M.

Herbert, Mabel, Salina....N.

Hibbert, Maude, Union, Ore.

..... A.

Hicken, Olive, Heber.....N.

Higgins, Jesse R., Cowley,

Wyo. H.S.

Hindley, Liza, Am. Fork...N.

Holt, Wm. D., Sph. Fork...M.

Hurler, Jennie, Provo R. F.

D. A.

J.

Jensen, Clara, Sph. Fork...N.

Johnson, Arnold E., Lovell,

Wyo. N.

Johnson, Glenn, Provo...H.S.

Johnson, James W., Hunt-

ington M.

Jones, Myrtle A., Provo....N.

K.

Keeler, Hattie, Provo....H.S.

Kirkham, Myrtle, Lehi....N.

Knudsen, Vernie O., Provo

..... H.S.

L.

Larson, Jennie, Monroe....A.

Larson, Valentine, Mt. Pleas-

ant A.

Leetham, Alpheus, Provo..C.

M.

McArthur, D. D., St. George

..... H.S.

McCune, E. J., Butte, Mont.

..... N.

McDonald, Hazel, Alton...A.

McKee, Aurilla, Vernal....N.

Mace, Minerva, Centerfield.N.

Madsen, Evelyn, Provo, R.

F. D.N.

Mathews, Kate, Provo.....N.

Meldrum, Albert, Provo..Agr.

Millard, Annie, Oakley, Ida-

ho H.S.

Mitchell, Sadie, Am. Fork...N.

Morgan, Linton, Hunt, Ariz.

..... H.S.

Murdock, Hazel, Duchesne.N.

N.

Nesbit, Robt. W., Provo....C. Nielson, Zeraldo N., Monroe
Newby, Ruth S., Monroe..N. H.S.

P.

Pack, W. C., Provo.....H.S. Paxman, J. Walter, Nephi
Pack, Ethel, Provo.....A. Agr.
Pack, Lola, Provo.....H.S. Persson, Reid, Eureka....H.S.
Parsons, George, Koosha- Poulson, Melvin G., Sanford,
rem C. Colo. C.
Patterson, Earl M., St. Poulson, Edna, Sanford,
Johns, Ariz.H.S. Colo. N.
Powell, Parley, Coalville....A.

R.

Redd, Carlisle, Grayson....N. Idaho H.S.
Ritchie, Ella, Provo.....H.S. Roylance, Merline, Provo..H.S.
Robinson, Eunice, Oakley,

S.

Schofield, Wm. U., Provo..C. Stewart, Marguerite, Provo
Smith, Mary, Snowflake, H.S.
Ariz. A. Stonebraker, Hazel, Hoyts-
Smith, Joseph F., Snowflake, ville H.S.
Ariz. Agr. Stonebraker, Winnie, Hoyts-
Spilsbury, D. L., Toquer- ville N.
ville H.S. Storrs, Louis J., Provo...H.S.
Startup, Maurie, Provo....N. Storrs, Rosella, Am. Fork..N.
Stewart, Agnes, Tooele....N. Stringham, Briant, Vernal..N.
Stewart, Lucile, Provo....H.S. Sutherland, Virginia, Provo.N.
Swenson, Leone, Provo....N.

T.

Tanner, Nettie, Payson....N. Taylor, Nellie, Provo.....A.
Tangren, Elvor, Moab....N. Thompson, Howard, Provo
Taylor, Angus D., Salem..Agr. H.S.
Taylor, Ethel, Provo.....M. Tietjen, Rollen, Santaquin..N.
Taylor, Fred R., Provo..H.S. Tippetts, Irvin, Lake Shore.N.
Taylor, Heber R., Provo.H.S. Trotter, Samuel, Goshen.H.S.

W.

Weight, Jesse J., Springville Woods, Clarence J., Provo..C.
..... C. Wootton, Joseph, Am. Fork
Whittaker, Jac. C., Circle- H.S.
ville H.S. Wrathall, Alice, Grantsville.N.
Williams, Amy, Wellsville. N. Wright, Tola, Nephi.....M.
Wilson, Orel M., Vernal..H.S.

Y.

Young, Lothield, Provo....A.

THIRD YEAR.

A.

Adams, Hazel, Monticello..M.	Anderson, Parley, Grants-
Adams, Albert, Monticello..M.	ville C.
Adams, Ernest, Bluff.....C.	

B.

Bailey, Ora, Provo.....M.	Bodily, Silva, Vernal.....A.
Baird, Clarence, Provo.....N.	Bonnet, Muriel, Provo...H.S.
Baird, Edwin, Provo.....H.S.	Bowman, Demar, Colonia
Baird, William, Provo.....A.	Dublan, Mex. ....C.
Baird, B. Y.....A.	Boyle, Leona, Santaquin...A.
Barnes, Illeene, Kaysville.H.S.	Brimhall, Burns, Provo....C.
Beck, J. Karl, Provo.....H.S.	Brown, Earl, Greenwich..H.S.
Bee, Maurice, Provo.....C.	Brown, Lloyd B., American
Bee, Jane, Provo.....N.	Fork H.S.
Berry, J. Orion, Provo...H.S.	Bullock, John G., Provo....C.
Berry, Eulalia, St. Johns,	Bullock, Irene, Lonetree,
Ariz. H.S.	Wyo. A.
Billings, Leon, Provo.....C.	Burch, Susa, Provo.....A.
Bird, Eva, Mapleton.....C.	

C.

Callaway, Rollo W., Provo.C.	Colvin, Nellie, Provo.....A.
Christensen, Priscilla, Sa-	Cox, Lucy, Provo.....A.
lem C.	Crane, Jennie, Salina.....M.
Clark, Dean, Provo.....H.S.	Crandall, Merrill, Springville
Clark, Fern, Panguitch...H.S.	..... N.
Clark, John, Grantsville...H.S.	Curtis, Sadie, Aurora.....N.
Clayton, James P., Provo..C.	Curtis, Alva, Aurora.....H.S.
Cluff, Elmo, Provo.....H.S.	Curtis, Charlotte, Douglas,
Cluff, Alene, Provo.....M.	Ariz. N.
Coleman, Knell, St. Johns,	Cutler, Guy V., Lovell, Wyo.
Ariz. H.S.	..... N.
Colvin, Hattie, Provo....H.S.	

D.

Dixon, Stanley, Provo....H.S.	Duke, D. C., Heber.....Agr.
Done, R. P., Colonia Dublan,	Dunn, Florence, American
Mex. ....C.	Fork C.
Duke, Albert, Grace, Idaho	Dusenberry, Margaret, Pro-
..... H.S.	vo N.

E.

Eggertsen, Eudora, Provo..M.	Erickson, Ferdinand, Mon-
Ekins, Vernee, Provo.....C.	roe H.S.
Ellertson, Alton, Provo...H.S.	Evans, Emma, Provo.....C.

F.

Farrer, Mary, Provo.....M. Foote, T. Earl, Provo....Agr.

G.

Gailey, Wallace, Syracuse..C. Giles, Vera, Provo.....N.
Gibb, Lynn, Magrath, Can- Glazier, Forrest S., Provo.H.S.
ada M.

H.

Halverson, Lyman, Spanish Heywood, Lawrence, Pan-
Fork C. guitch C.
Halverson, Ernest, Gunnison Hinckley, Leonora, Provo..
..... H.S. H.S.
Hammond, Robert, Ashton, Hinckley, Ada, Provo.....C.
Idaho H.S. Holman, Parley, Fountain
Hansen, Delbert, Redmond.N. Green H.S.
Harding, George, Provo....A. Holladay, John L., Payson..C.
Haws, Dora, Provo.....C. Holladay, Howard, Santa-
Hendrickson, H. O.....C. quin N.
Hess, Alvin, Fielding....Agr. Homer, W. A., Eureka....H.S.
Hewlett, Emmons, Pocatello, Hone, Mabel, Provo.....N.
Idaho Agr. Hoover, Ray, Provo.....H.S.
Heyborne, Carl, Cedar City Hurler, Clarence, Provo, R.
..... H.S. F. D. H.S.

I.

Ingram, Maude, Nephi.....A. Irvine, Lael, Provo.....H.S.
Ingram, Kate, Nephi.....A.

J.

Jackson, Junius, Provo....C. Jensen, Arthur, Provo....H.S.
Jacobson, Rufus, Provo....N. Jensen, Garner, Mt. Pleasant
Jacobson, Alfred, Oak City H.S.
..... H.S. John, David, Provo.....A.
Jenkins, Joseph, Goshen....A. Jones, Evan, Sunnyside....C.
Jenkins, Hyrum, Goshen....A. Jones, Joy, Provo.....C.

K.

Kirkham, Zelda, Lehi.....H.S.

L.

Lambert, Roy, Kamas....H.S. Loveless, George, Provo, R.
Lambert, Ira, Kamas....H.S. F. D. Agr.
Lewis, Lucile, Provo....H.S. Lund, Thos., St. George....C.
Lewis, Ezma, Park City..H.S.

M.

McCarty, Laurel, Richfield...A.
 McIntosh, Emily, Provo....N.
 McKell, Rodney, Spanish
 Fork C.
 Mayer, James P., Provo....C.
 Melville, Docia C., Shelley,
 Idaho N.
 Mercer, Jas. Lee, Magrath,
 Canada H.S.

Miller, Snell, Provo C.
 Millet, Wesley, Mesa, Ariz.
 Agr.
 Mitchell, Chas. W., Provo..H.S.
 Monk, Zella A., Sph. Fork..A.
 Morgan, E. Jay, Levan.....A.
 Mortenson, Amelia, Levan..A.
 Murray, Wilson, Vernal....C.

N.

Nash, Bernard, Salem.....C.
 Newell, Anna, Provo.....M.

Nicholes, Elmarion, Ameri-
 can Fork H.S.
 Nielson, P. A., Provo.....C.

O.

Oberhansly, Minnie, Provo..M.
 Oberhansly, Vern, Clinton
 H.S.

Oliver, Jessie, Provo.....C.
 Olson, Mary E., Mt. Pleas-
 ant M.

P.

Page, George W., Payson..C.
 Parkinson, Willis, Hyrum..H.S.
 Parkinson, Vivian, Preston,
 Idaho A.
 Perkel, Edna, Provo.....N.
 Petersen, Brigham, Santa-
 quin N.
 Petersen, Hazel, Provo.....N.

Pierpont, Pauline, Provo...A.
 Porter, Zenos, Dublan, Mex-
 ico H.S.
 Powelson, Elma, Provo....N.
 Prescott, Christa, Kamas..M.
 Price, Louise, Goshen.....N.
 Pritchett, Roland, Fairview..C.

R.

Rasband, Della, Provo.....A.
 Read, Melvin, Marion, Idaho
 C.
 Redd, Effie, Douglas, Ariz...M.
 Reynolds, Rosalie T., Salt
 Lake City H.S.
 Rieske, Frieda, Provo.....N.

Richards, Alma W., Parowan
 H.S.
 Robbins, Archie, Santaquin
 N.
 Robison, Arnold E., Provo
 H.S.
 Roberts, Lyne, Provo C.

S.

Sanford, Florence, Spring-
 ville C.
 Schwab, Frank, Provo....H.S.
 Sherwood, Lawrence P., St.
 Johns, Ariz. H.S.
 Skousen, Alonzo, Raymond,
 Canada C.
 Slaugh, Franklin G., Vernal
 H.S.
 Smith, Ida, Am. Fork.....M.
 Snyder, Merle, Provo.....A.

Sorenson, Wallace, Aurora..C.
 Sorenson, Wm., Aurora....C.
 Sorenson, Leon, Aurora....C.
 Southwick, A. J., Provo...H.S.
 Spafford, Anna, Provo.....A.
 Startup, Cosette, Provo..H.S.
 Stevens, Ava, Fillmore...H.S.
 Storrs, Mabel, Am. Fork..H.S.
 Stratton, J. G., Provo, R. F.
 D. H.S.
 Sumsion, J. B., Springville..C.

T.

Tenney, Karl J., St. Johns, Ariz. C.	Thurman, Clifford, Provo...C.
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V.

Vance, Nina, Provo.....N.	Van Wagoner, Louie, Provo H.S.
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W.

Watkins, Nora, Vernal.....C.	Winn, Frank, Nephi.....H.S.
Wightman, Dollie, Payson..A.	Woods, Carlos, Barclay, Nev. H.S.
Wilson, Isabelle, Midway...C.	
Wilcox, Mabel, Huntington.C.	

SECOND YEAR.

A.

Alberg, Josie, Eureka....H.S.	Anderson, Wallace, Heber H.S.
Alexander, Helen, Provo....C.	Ashton, Lester, Lehi .....C.
Anderson, J. Walter, Heber.M.	

B.

Banks, Anna, ProvoC.	Bliss, E. S., Salt Lake City H.S.
Mandley, Walter, Provo ....C.	Bown, Ella, Fayette .....A.
Bate, Tillie, Provo .....A.	Bown, Jesse, Provo .....H.S.
Pean, Orea, Juab .....C.	Bown, Lenard, Fayette ..H.S.
Beck, Erastus R., Spring City H.S.	Bowen, J. P., Sph. Fork....C.
Bent, Earl, Salt Lake City.H.S.	Bowman, Grace, Colonia Dublan, Mex. ....H.S.
Berry, W. L., Cedar Valley H.S.	Bredesen, Marie, Provo...H.S.
Berry, Chloa, Provo .....A.	Brimhall, Andrew, Taylor, Ariz. A.
Bills, R. L., Payson.....Spl.	Brown, Geo., Lovell, Wyo. Agr.
Bird, Freeman, Mapleton.H.S.	Brown, John, Grantsville...C.
Bischoff, Della, Lovell, Wyo. M.	Buckley, Wm. D., Provo..H.S.
Blake, Ruth, Provo.....H.S.	

C.

Caroll, Jos. S., Provo.....H.S.	Clark, Lowin, Provo.....H.S.
Carling, Mamie, Orderville Spl.	Clark, Stanley, Panguitch.H.S.
Carlile, Earl, Charleston....C.	Clark, Alma P., Farmington H.S.
Carter, Clarence, Provo....C.	Clark, Rulon, Provo.....H.S.
Chapman, J. D., Basalt, Ida- ho C.	Cordner, Robt. R., Provo...C.
Christensen, Lillie, Salem.H.S.	Covington, Marian, Provo.H.S.
Christensen, John E., Fair- view H.S.	Crowther, Lewis, Provo....A.
	Curtis, Ella, Aurora .....H.S.

D.

Daley, Aggie, Provo, R. F.	Idaho	C.
D.	Daw, Albert, Provo.....	Agr.
Dalton, Kenneth, Union,	Drollinger, Wm. L., Marys-	
Ore.	ville, Idaho	H.S.
Daniels, Spafford, Provo....	Dugan, Minnie, Provo.....	C.
Daniels, Glen E., Theodore..	Dunn, Eldred W., Provo....	C.
Davis, John L., Blackfoot,	Durfee, Lee, Aurora	C.

E.

Eggertsen, Reata, Provo ...	Evans, Edwin, Panguitch...	C.
Ercanbrack, Sterling, Provo	Evans, Leonard, Parowan..	H.S.
.....	Evans, Clefford, Parowan..	H.S.
Ercanbrack, Arvilla, Provo..		A.

F.

Farrer, Grace, Provo.....	Fordham, Karl, Santa Clara	
Farrer, Gladys, Provo....	.....	M.
Fjelsted, Elma, Gunnison...	Frandsen, Vance, Redmond	
Foote, Valera, Provo.....	.....	H.S.

G.

Gardner, Dell, Salem.....	Gerber, Zetella, Vernal....	H.S.
Gardner, John R., Salem..	Gibson, Arthur, Provo....	H.S.
Gardner, Lynn, Salem...H.S.	Greenwood, Rhoda, Central	
Gardner, Maggie, Pine Val-	.....	H.S.
ley	Guyman, Clara, Provo.....	M.
Gee, Garda, Provo.....		H.S.

H.

Hampson, Josephine, Castle	Henrie, Sheriff M., Provo...	C.
Gate	Hickman, Geo., Provo....	H.S.
Hanks, Pearl, Salem	Hills, Leo., Provo.....	C.
Harris, Marian, Cardston,	Holdaway, Cyrus, Provo...	C.
Canada	Holman, Clarinda, Pleasant	
Haws, Vinna, Provo	Grove	M.
Hawks, Veda, Portage	Howe, Ada, Provo.....	H.S.
Hawley, Vilate, Central..H.S.	Huish, Lenora V., Payson,	
Hayes, Nellie, Clear Creek	R. F. D.	A.
.....	Hyde, Orlene, Provo.....	M.

I.

Ingram, Harriet E., Nephi..A.

J.

Jensen, Beatrice, Provo....	Jolley, Ruth, Mapleton	C.
Jensen, John, Seattle, Wash.C.	Jolley, Pearl, Glendale....	C.
Johnson, Hazel, Kanab..H.S.	Jones, Enos L., Byron, Wyo.	
Johnson, Mignon, Provo..H.S.	.....	C.
Johnson, Marcus, Provo..H.S.	Jones, Hazel A., Provo...	H.S.

K.

Keeler, Eva, Provo.....H.S.	Knight, Raymond, Wood-
Keeler, Major J., Provo...H.S.	land H.S.
Kelsey, Frank, Harmony..H.S.	Knowlden, Robert E. Jr.,
Kienke, Nettie, Provo....H.S.	Provo H.S.
Kindred, Blaine, Springville.C.	Knudsen, Arthur, Provo..H.S.
Kitchen, Samuel, Pl. Grove.	Knudsen, Ernest, Provo..Agr.
..... H.S.	Knudsen, Walter, Provo..Agr.
Kitchen, Thos., Pl. Grove...C.	Kuhni, John, Provo.....H.S.
Knight, Reuben, Woodland	
..... H.S.	

L.

Lambert, Reuben, Kamas.Agr.	Lisonbee, Hazel, Provo....A.
Lambert, Marie, Kamas ..H.S.	Lockhart, Dan, Wallburg..C.
Lambert, Harold, Kamas.H.S.	Love, Alta, Provo.....H.S.
Lee, E. Ray, Price.....C.	Lundell, Edgar, Benjamin.Agr.
Lewis, Louise, Ogden.....C.	

M.

McCullough, Rhoda, Provo..C.	burg H.S.
McDonough, Myrtle, Castle	Meldrum, Calvin, Provo, R.
Creek, Idaho .....C.	F. D. H.S.
McKendrick, Kleone, Provo.C.	Meldrum, Margaret, Provo.A.
McMurrin, Marie, Provo...A.	Merrill, Loenza, Richmond.A.
Mangelson, Herman, Levan.C.	Monson, Mabel, Pl. Grove..A.
Massey, Murley, Vernal....C.	Morgan, Lee, Levan.....H.S.
Massey, Millard, Vernal....M.	Morrison, Arvel, Provo....C.
Mathews, Phil, Provo....H.S.	Murdock, Merle, Duchesne
Mayer, Clifford, Provo ..H.S.	..... H.S.
Meaker, A. G., Fiddington,	Murdock Mae, Heber .....M.
England C.	Murdock, Ervin, Sugar City,
Mecham, Wm. O., Walls-	IdahoC.

N.

Nelson, Milo, Provo.....C.	Nielson, Gladys, Provo...H.S.
Nelson, Almer, Provo.....M.	Nuttall, J. A., Provo, R. F.
Newton, Leon, Mona....H.S.	D..... A.

O.

Oakley, Dale, ProvoC.	Olsen, Leander, Moroni..Agr.
Oberhansly, Emma, Provo	Orser, E. Dee, Provo....H.S.
..... H.S.	Orser, W. Lynn, Provo..H.S.
Olsen, Eva, Moroni .....H.S.	

P.

Pack, Alta, Provo.....H.S.	Peterson, Frank E., Park City H.S.
Pack, De Var M., Kamas.H.S.	Peterson, Rex, Provo.....C.
Parcell, Ivan, Wallburg..C.	Prestwich, Morley, Provo, R. F. D. ....C.
Park, Roy, Provo, R. F. D...A.	Price, Frank, Charleston...C.
Parker, James, Am. Fork.H.S.	Pritchett, Vivian, Provo..H.S.
Paxman, Rueda, Provo....C.	
Perkins, Nettie, Bluff .....M.	
Peterson, Cecil J., Park City H.S.	

S.

Sabin, Elmer, Salem .....H.S.	Sorenson, Cline, Aurora ...C.
Salisbury, Vera, Provo, R. F. D. ....H.S.	Spafford, Marie, Provo.....A.
Scott, Johanna, Provo .....C.	Spilsbury, W. R., Toquer-ville H.S.
Selin, Henry, Benjamin ..Agr.	Steedman, Crissie, Mammoth H.S.
Shelley, Louie, Shelley, Idaho A.	Steele, Ray, Goshen .....H.S.
Showalter, Victor, Panguitch H.S.	Steele, Jesse W., Clover....C.
Skinner, Amos P., Provo, R. F. D. ....Agr.	Stewart, Delbert, Provo ....C.
Smith, T. W., Sph. Fork...C.	Stringham, W. S., Vernal.H.S.
Smith, Leo, Monroe .....Spl.	Swenson, Wilford, Pleasant Grove H.S.
Smith, Lois, Provo ....H.S.	Swenson, F. Reid, Provo.H.S.

T.

Taylor, Anna, Provo ....H.S.	Taylor, Robert, Provo ....C.
Taylor, Clarrisa, Provo...H.S.	Taylor, Theodora, Provo.H.S.
Taylor, Joseph, Provo.....C.	Thorn, Vern, Springville.H.S.
Taylor, May, SalemA.	Twelves, Paul, ProvoH.S.

V.

Vance, Elmo, Am. Fork....C.	Vest, Hazel, MonaH.S.
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W.

Webb, Hazel, Mammoth...C.	Woodward, Alva, Huntington M.
Whitlock, Merrill, Mayfield Agr.	Woods, Orilla, Barclay, Nev. A.
Whitaker, Mose, Kanosh.H.S.	Worthington, Roka, Oakley, Idaho M.
Wilde, Chas. E., Provo....M.	Worthington, Rachel, Oakley, Idaho .....M.
Williams, Margaret, Provo H.S.	
Winn, Alice, Nephi.....H.S.	
Winn, Herman, Nephi...H.S.	

FIRST YEAR.

A.

Adams Lloyd, Bluff.....C.	Anderson, Nels, Elk Rapids, Mich.H.S.
Adams, Leroy, Parowan...H.S.	Anderson, J. Alfred, St. Johns, ArizonaM.
Adams Alexander, Kanab...C.	Anderson, Orvil, SpringvilleH.S.
Aird Lyall, Provo.....H.S.	Anderton, James, Marysville C.
Aird, Irva, Provo.....H.S.	Anderton, T. F., Marysville.M.
Alger, Vetta, Provo.....C.	Ashworth, Hazel, Provo...H.S.
Anderson, Earl, Provo....H.S.	Ashworth, Viola, Provo....M.
Anderson Ellwood, Provo H.S.	
Anderson, Flossie, FairviewH.S.	
Anderson, Harold, Mayfield.C.	

B.

Bair, J. L., Alpine.....A.	Blake, Chas. H., Provo R. F. D.H.S.
Baird, Samuel, Provo.....H.S.	Bodily, Edwin, Vernal.....A.
Banks, Glen, Provo.....H.S.	Bonnet, Stanley, Provo...H.S.
Barkdull, Philip, Meadow..A.	Bradley, Wells, Preston, Nev.H.S.
Bate, Geo., Provo.....C.	Bradshaw, F. S., Magrath, CanadaC.
Baum, Murray, Marysville.C.	Bradshaw, Bernard, Ma- grath, CanadaC.
Beckstead, Henry, So. Jor- danC.	Brimhall, Alean, Provo...H.S.
Bennet, Mame, Magrath, CanadaM.	Brinkerhoff, Laverd, Glen- daleC.
Bennet, Jos. T., Provo....H.S.	Brown, Hugh C., Provo...H.S.
Berry, David A., Cedar Val- leyA.	Bullock, Kimball, Provo..H.S.
Bird, Hortense, Mapleton.H.S.	Burr Leearl, Provo.....H.S.
Bischoff, Daniel, Lovell, Wyo.C.	Burns Clella, Pima, Arizona M.
Blackham, Susannah, Mor- oniH.S.	Burgess, Nina, Pine Valley.M.

C.

Clayton, Doris, Provo....H.S.	Clyde, Winnie, Provo R. F. D.H.S.
Clegg, Nora, Provo R. F. D.H.S.	Cos, Esse, Provo.....Spl.
Clegg, Lewis, Provo R. F. D.A.	Crandall, Glen, Provo....H.S.
Cluff, Kenneth, Provo...H.S.	Croff, Ira, Provo.....C.

D.

Daley, Dolores, Levan...H.S.	Davies, Bernice, Provo...H.S.
Daley, Violate, Provo....H.S.	Daw, Walter N., Provo...H.S.
Daley, David, Provo.....H.S.	Day, E. Heloise, Provo...H.S.
Daniels, Dora, Payson....M.	Downs, Claude, Provo R. F. D.H.S.
Davenport, Ira, Parker, Ida- hoH.S.	Duffin Stanley, Provo.....C.
Davis, D. N., Blackfoot, Ida- hoC.	Dunn, Leona, Provo.....C.
Davis, Electa, Union, Ore..A.	Dunn, Harold, Provo.....C.

E.

Eggertsen, Algie, Provo...H.S.	Evans, Sterling, Provo...H.S.
Ellertsen, Don, Mona.....H.S.	Eyre, Floyd, Urie, Wyo...H.S.
Eliason, E. J., Desert....H.S.	

F.

Farrer, Agnes, Provo.....H.S.	Foote, Eldred, Provo.....H.S.
Farrer, Salena, Provo.....H.S.	Freckleton, Raymond, Provo
Farley, Louie, Provo.....A.	.....H.S.
Ferguson, Lucile, Provo...C.	Freckleton, J. W., Provo.H.S.
Finlayson, Glen, Provo...H.S.	Fowers, Mary, Provo.....H.S.
Fletcher, Eula, Provo.....A.	Frisby, Karl, Provo.....M.

G.

Gardner, Dora, Salem.....A.	Giles, Elmo, Provo.....C.
Gardner, Glen, Thistle....H.S.	Greer, Mark, Provo.....H.S.
Gardner, Ivie, Pine Valley H.S.	Greer, C. P., Provo.....C.
Gardner, Rex, Pine Valley H.S.	Guyman, Della, Provo.....A.
George, Owen, Kanosh...Agr.	

H.

Hacking, Mabel, Vernal..Spl.	Hinckley, E. Carlyle, Provo
Hales, Miles, Provo.....H.S.	.....H.S.
Hampson, Agnes, Castle	Hoier, Clara, Provo.....H.S.
GateH.S.	Holdaway, Unita, Aurora.H.S.
Hanks, Joseph, Lonetree,	Holdaway, Orrin, Provo...C.
Wyo.M.	Holdaway, Lionel, Provo.H.S.
Harding, Roland, Provo R.	Holdaway, Lorus, Provo.H.S.
F. D.Agr.	Holman, Reese, Fountain
Harding, Jennie, Provo...H.S.	GreenH.S.
Harris, Lloyd S., Provo...H.S.	Holman, Frank, Brigham
Hartley, Mary, Provo....H.S.	CityC.
Hedquist, Marie, Provo....C.	Holman, Ora, Pl. Grove...M.
Hemmingsen, Elnora, So.	Holt, Samuel A., South Jor-
JordanA.	danC.
Henline, Lillian, Provo...H.S.	Holt, Jeanie, Provo.....H.S.
Heywood, Fenella, Pan-	Holyoak, James, Provo, R.
guitchH.S.	F. D.H.S.
Hickman, Reginald, Provo,	Hoover, Ferris, Provo.....C.
.....H.S.	Hoover, LaRhea, Provo....A.
Higginson, Frank, Knights-	Horsley, Muriel, Provo...H.S.
villeH.S.	Hurst, Lee S., Idaho Falls,
	IdahoH. ^c

J.

Janson, Dora, Provo.....H.S.	John, Lelia, Provo.....H.S.
Jenkins, Hattie, Provo....H.S.	Johnson, Lamar, Kanab..H.S.
Jensen, Alta N., Provo....Spl.	Jolley, Manning, Moroni..Agr.
Jensen, Edna, Provo.....A.	Jolley, Leo, Glendale.....C.
Jensen, Elfreda, Provo.....A.	Jones, Henry, Provo.....C.
Jensen, John P., Provo.....C.	Jones, John G., Provo....Agr.
Jensen, Wm. Schofield.....C.	Jones, Virl S., Provo.....H.S.

K.

Kartchner, Rachel, Provo.H.S.	Kitchen, Laundrum, Pl.
Keele, Ernest, Salem....Agr.	GroveC.
Kerr, Jennie, Provo.....H.S.	Knight, Fred, Provo.....C.
Kimber, Essie, Provo.....C.	Knight, George, Woodland
Kinsey, Bert, Raymond,	.....Agr.
CanadaC.	

L.

Langford, Blanche, Coyote,	Lunceford, Warren, Provo,
UtahH.S.	R. F. D.....H.S.
Larson, L. Lester, Spanish	Lunceford, Mary, Provo, R.
ForkH.S.	F. D. ....A.
Lewis, Reva, Provo.....H.S.	Lunceford, Ellen, Provo R.
Lisonbee, Margy, Provo..H.S.	F. D. ....A.
Loveless, Ila, Provo.....H.S.	Lundell, John, Benjamin..Agr.
Loveless, J. W., Provo....H.S.	Lundgreen, Eli M., Mon-
	roeSpl.

M.

McAdams, Vearl, Provo..H.S.	Mendenhall, Aaron B., Map-
McDaniel, John, Provo...H.S.	letonH.S.
McFate, Floy, Springville H.S.	Mendenhall, Harvey, Map-
McIntosh, W. A., Provo....C.	letonH.S.
Madsen, Spencer, Provo R.	Miller, Grover, Provo....H.S.
F. D. ....A.	Miller, Edna, Provo.....C.
Massey, John M., Vernal.H.S.	Mildenhall, John, Provo....C.
Massey, Joseph, Vernal....C.	Miner, Dea, Springville....C.
Meldrum, Reed, Provo....Agr.	Moon, Violet, Woodland....A.
Meldrum, Vernal, Provo R.	Morgan, John, Goshen.....C.
F. D. ....H.S.	Morgan, Bert, Provo.....C.
	Myers, Nellie, Riverton....A.

N.

Nelson, Henry, Provo...H.S.	Nielson, Eunice, Provo.....C.
Nesbit, Fern, Provo.....A.	Nielson, Virginia, Provo....C.
Newell, Helen, Provo....H.S.	Nixon, Nina, Huntington.H.S.
Newell, Mary, Provo.....M.	Nuttall, Vernon, Provo R. F.
Nicholes, Ronald, American	D.C.
ForkM.	Nydegger, Fred, Salt Lake
Nielson, Ralph, Provo.....C.	CityH.S.
Nielson, Floyd, Bluff.....C.	

O.

Ogden, Edward A., Pleasant Grove	H.S.	Olson, J. G., Provo	H.S.
Oliver, William A., Provo	H.S.	Olson, Clara, Moroni	H.S.
Oldroyd, Irvin, Fountain Green	H.S.	Olson, Orville, Provo	H.S.
Olmstead, L. K., Lehi	A.	Owens, W. T. Jr., Panguitch	C.
		Owens, Isabell, Panguitch	C.
		Orwin, Warren, Provo	C.

P.

Pace, Ashby, Harmony	C.	Peterson, Eugene, Provo	H.S.
Palfreyman, Fern, Springville	A.	Peterson, Albert, Salem	A.
Palfreyman, Ivan, Springville	C.	Peterson, Maida, Provo	C.
Park, Thompson, Kamas	H.S.	Peterson, Robert, La Jara, Colo.	H.S.
Partridge, Alfred, Panguitch	H.S.	Peterson, Stella, La Jara, Colo.	H.S.
Parry, Waldo, Elsinore	C.	Phillips, Leila, Provo	H.S.
Patten, Clara, Provo R. F. D.	H.S.	Pierpont, Clifford, Provo	H.S.
Patten, Lois, Provo R. F. D.	M.	Potts, Ranchie, Woodland	C.
Paxman, Barbara, Provo	A.	Poulton, Norma, Provo	H.S.
Paystrup, Joseph, Levan	H.S.	Powelson, Loran, Provo	H.S.
Peay, Delos, Provo	H.S.	Purcell, Roy, Samoa	H.S.
Perry, Milton, Provo	C.	Pyne, John D., Provo R. F. D.	H.S.
		Pyne, Herbert S. Jr., Provo	H.S.

R.

Raile, Theodore, Provo	H.S.	Roberts, Ruby, Goshen	H.S.
Rasmussen, Wilford, Provo	H.S.	Robbins, Chas. W., Provo	H.S.
Rawlins, Arnold, Provo	H.S.	Roberts, Geneve, Provo	H.S.
Rieske, Samuel, Provo	H.S.	Roberts, Mark L., Provo	C.
Richards, Helene, Provo	H.S.	Roberts, Murray K., Provo	C.
Richardson, Ellen, Provo	C.	Robinson, Rena, Shelley, Idaho	M.
Ridge, Flora, Provo	M.	Ross, Daisan N., Provo	A.
Robison, Benj., Logan, Nevada	H.S.	Roundy, Mack, Provo	H.S.

S.

Sauls, Keifer, Onvil, La	C.	Searle, Alean, Provo	C.
Scott, Irvin, Provo	H.S.	Serrine, Wilford, Union, Ore.	C.
Scott, Josephine, Provo	H.S.	Shepherd, John D., Levan	H.S.
Scott, Wain, Provo	H.S.	Shepherd, Nora, Provo R. F. D.	A.
Scott, Bert, Provo	C.	Shepherd, Gilbert, Levan	H.S.
Schofield, Edwin U., Nephi	H.S.		

Shumway, Arah, Grayson...C.
 Sigler, Grace, Provo.....C.
 Smith, Leslie, American
 ForkH.S.
 Smith, Leland, Provo.....C.
 Smith, George, Glendale....C.
 Smoot, Erma, Provo.....H.S.
 Southworth, W. C., Provo..C.
 St. Jeor, Otiss, Woodland.A.
 St. Jeor, Lovinia, Woodland A.
 Stacey, Sue, Magrath, Can-
 adaM.

Stagg, John, Provo.....H.S.
 Steedman, A. K., Mammoth
H.S.
 Stenekert, Henry, Provo.Spl.
 Stewart, Theresa, Provo.H.S.
 Storrs, Fred, Provo.....H.S.
 Storrs, Vere, Provo.....C.
 Strong, Hewitt, Provo...H.S.
 Stubbs, Ann, Provo.....A.
 Sutherland, Max, Provo....C.

T.

Tanner, Agnes, Payson...H.S.
 Taylor, Arthur D., Provo.H.S.
 Taylor, Bacle, Provo.....H.S.
 Taylor, Brigham, Provo..H.S.
 Taylor, Frank, Levan....H.S.
 Taylor, Grace, Gohen.....A.
 Taylor, Golden, Provo, R.
 F. D.H.S.
 Taylor, Julia R., Provo....A.
 Taylor, Preal, Provo.....C.

Taylor, Rachel. Provo...H.S.
 Taylor, Ruth, Provo.....H.S.
 Terry, Ocar, Provo R. F.
 D.Agr.
 Terry, Walter, Provo R. F.
 D.Agr.
 Terry, Thos. R., Provo R.
 F. D.H.S.
 Thomas, Wallace, Provo.H.S.
 Thurman, Glen, Provo...H.S.

U.

Udall, Karl, Eagar, Ariz...C.

V.

Van Wagener, Earl, Provo.C.
 Van Wagenen, Grace, Mid-
 wayC.

Van Wagenen, Fern, Provo.C.
 Van Wagenen, Chase, Provo
H.S.

W.

Walker, Nellie, Silver City.A.
 Walton, J. F., American
 ForkC.
 Watosn, C. E., Provo.....M.
 Webb, George, Provo...H.S.
 Webb, Lattie, Provo....H.S.
 Whittaker, Zelda, Provo.H.S.
 Whittaker, Hazel, Circleville
H.S.
 Whiting, W. H., Mapleton
H.S.
 Whiting, Chas. E., Mapleton
H.S.

Willardson, Anthony, Red-
 mondM.
 Williams, Arthur, Provo.H.S.
 Willis, Joseph E., Ogden...C.
 Wilson, Shirley, Provo...H.S.
 Wilcox, Samuel, Cedar Val-
 leyH.S.
 Winterton, Carrie, Charles-
 tonH.S.
 Winterton, Nettie, Charles-
 tonH.S.
 Wolsey, Earl, Escalante.H.S.

Y.

Young, Ablenda, Monticello.A.

Young, Mae, Huntington..A.

CONTENTS.

	Page
Academic Department	83
Accounting	97
Agricultural Laboratory	22
Admission to College.....	57
Agriculture	56, 73, 120
Agronomy	56, 121
Algebra	87
Ancient Languages, Department of.....	37
Animal Husbandry	57, 123
Applied Art, Courses in.....	60
Arts Supervision Association.....	17
Art Needlework	61
Art Studio	23
Astronomy	50, 91
Authorities of the University.....	3
Band Music	107
Biblical History and Literature.....	47
Biology	53, 90
Biological Laboratories	21
Bookkeeping	95
Botany	54, 90
Calendar	2
Chemistry	51, 91
Church School Officers.....	3
Church Teachers College, The.....	27
Civics	98
Clasification of Students.....	29
Commerce	46
Commercial Arithmetic	97
Commercial Geography	89, 99
Commercial Department	94
Commercial Design	100
Committees, Standing	10
Concerts and Recitals	103
Correlated Arts, Department of.....	58
Correspondence	99
Crafts Work	60
Credits, Tables of.....	76, 81
Debating Societies	18
Department of Agriculture.....	119
Department of Arts and Manual Training.....	111
Department of Music.....	66, 102
Design	113

Discipline	16
Domestic Arts	117
Domestic Science	64, 116
Drawing	112
Drafting	62, 114
Dressmaking	61, 118
Earth Science, Courses in	88
Economics, Sociology and Commerce	44
Economics	44, 99
Education, Courses in	70
Education, Department of	32
Election of Studies	28
Elementary Art	112
Elocution	37
English	35, 83
Enrollment of Students	126, 131
Entrance Requirements	69, 83, 94, 111, 119
Entrance Fees	24
Equipment	18
Executive Committee	4
Exhibitions	23
Faculty	6
Fine Art Courses	58
Foreign Languages, Course in	86
French	40, 86
Geological Science, Department of	55
Geology	89
Geometry	88
German	39, 86
Government	43
Graduates	126, 129
Greek	38
Graduation	29, 69, 83, 94, 102, 111, 119
Harmony	109
Hebrew	37
High School, The	75
History	42, 85
History of the University	11
History and Government	42
History of Art	59, 85
Home Economics	116
Horticulture	122
Ironwork	63, 115
Kindergarten Work	71
Laboratory of Applied Arts	23
Laboratory of Chemistry	20
Laboratory of Geological Science	20
Laboratory Fees	25
Latin	38, 87
Law	98

Library	18
Literary Society, The.	17
Lecture Course	15
Mandolin and Guitar.	107
Manual Arts, Courses in.	62
Masterbuilder Club	17
Mathematics	41, 87
Mechanic Arts Courses.	114
Missionary Course	92
Modern Languages, Dept. of.	39
Museum	24
Music History	109
Music Society, The.	17
Nature Study	73
Normal School, The	69
Normal Drawing	72
Normal Manual Training.	73
Normal Music Training.	110
Orchestral Music	106
Organization	15
Penmanship	101
Pictorial Art	58
Physical Laboratory, The.	19
Physical Science, Courses in.	90
Physical Education	67, 91, 92
Physics, Department of.	48
Physiography	88
Physiology	90
Piano Music	104, 105
Prizes in Public Speaking.	18
Public School Music.	110
Psychology	70
Psychology and Philosophy, Department of.	31
Psychological Laboratory, The.	22
School Societies	17
Shop Work	62
Shorthand	100
Singing	104
Sight Playing Course.	105
Sociology	45, 73
Solfeggio	108
Stake Boards of Education.	4
Student Body	15
Studio Work	59
Sub-High School	125
Summer Semester	16
Sunday School Kindergarten.	72
Supervision Courses	65
Surveying	88
Theology	82

Theology and Religion, Department of.....	30
Theoretical Courses in Music.....	108
Theory of Music.....	108
Theory of Teaching.....	70
Training	71
Trigonometry	88
Typewriting	101
University Council	5
Violin	106
Vocal Music, Courses in.....	104
Woodwork	63, 115
Zoology	53

